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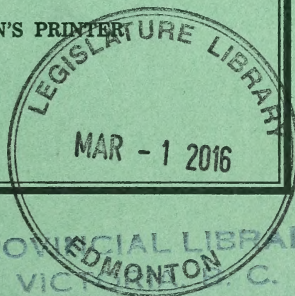


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ANNUAL REPORT
OF THE
Department of Lands and Forests
OF THE
PROVINCE OF ALBERTA
FOR THE
FISCAL YEAR ENDED MARCH 31st
1959



EDMONTON:
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To the Honourable J. Percy Page,
Lieutenant-Governor of the Province of Alberta.

SIR:

I have the honour to submit the Report of the
Department of Lands and Forests for the fiscal year
ended March 31st, 1959.

I have the honour, to be, Sir,

Your obedient servant,
NORMAN WILLMORE,
Minister of Lands and Forests.

Edmonton, December 31st, 1959.

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CHIEF OFFICERS DEPARTMENT OF LANDS AND FORESTS

Hon. Norman Willmore	Minister of Lands & Forests
H. G. Jensen	Deputy Minister Lands & Forests
G. W. Acorn	Departmental Solicitor
V. A. Wood	Director of Lands
E. P. Shaver	Asst. Director of Lands
E. S. Huestis	Director of Forestry
J. R. H. Hall	Asst. Director of Forestry
T. R. Hammer	Supt. of Forest Protection
R. D. Loomis	Supt. of Forest Surveys
A. Earnshaw	Radio Superintendent
E. P. Shaver	Provincial Parks Commissioner
C. H. Harvie	Supt. Provincial Parks
Curt P. Smith	Fish and Game Commissioner
D. E. Forsland	Superintendent of Game
H. B. Watkins	Supt. of Commercial Fisheries
H. Soley	Director, Technical Division
T. A. Drinkwater	Asst. Director, Technical Division
A. McCallum	Administrative Accountant
H. E. Bennett	Asst. Administrative Accountant
C. B. Kenway	Registrar
W. H. MacDonald	Publicity Officer
Mrs. R. Svendsen	Personnel Officer
Miss M. Garrick	Stationery and Supplies

EASTERN ROCKIES FOREST CONSERVATION BOARD

Major General Howard Kennedy, C.B.E., M.C., B.Sc.	Chairman
A. T. Baker	Member
S. R. Hughes	Administrative Officer

REPORT
OF THE
Department of Lands and Forests
1958 - 1959

HONOURABLE NORMAN WILLMORE,
Minister of Lands and Forests,
Edmonton, Alberta.

SIR:

I have the honour to submit the annual report of
the Department of Lands and Forests for the fiscal
year ending March 31st, 1959.

Respectfully submitted,

H. G. JENSEN,
Deputy Minister.

Edmonton, December 31st, 1959.

Public and School Lands Administration

Report of the Director of Lands

V. A. WOOD

In the fiscal year under review there were 130,879 items of outgoing mail from this division compared to 113,556 items for the previous fiscal year, or an increase of 15.2%. This increase is substantial and indicates an up-trend in the amount of work processed by the division.

In the fall of 1958 the Executive Council requested an investigation into the conditions of the settlers in the Alberta Clearing and Breaking Project.

As a result of the investigation a land use classification and valuation appraisal was made in October and November of each unit in the project. All purchase contracts in the project were adjusted to a new sale price.

There were 81 units classified as unsuitable for settlement and 14 of the settlers on these units decided to return their units to the Government and leave the area.

It is the intention to establish a community pasture on the unsuitable units in Block 1 which have been vacated by the settlers.

The Peace River area again suffered an almost complete crop failure due to drought. This is the second consecutive year of crop failure which made it difficult to collect outstanding indebtedness on crop share accounts and land sale accounts.

There was a continued growing interest from the previous year in summer cottage sites. As a result several new areas were selected for subdivision development.

It was announced in the spring of 1959 that the Lands Division would conduct a survey of all lakes in Alberta where there is Crown Land available in order to reserve from disposition those areas which have possibilities for recreational development. It is expected that the survey will take two or three years to complete.

Due to the general unfavourable condition of agriculture in comparison to the rest of the economy the interest in land settlement has fallen off over the past few years. While the interest in homesteading decreased as compared to former years the interest in grazing increased considerably.

A total of 233 civilian and 20 veteran homestead leases were issued during the fiscal year.

On March 25th, 1939 the granting of homesteads was discontinued and replaced by the establishment of agriculture lease regulations.

The first "agriculture lease" which is now designated "homestead lease" was issued on September 1st, 1940. Since that time the number of leases in force increased until 1954. During the past two or three years a greater number of leases have been patented and there have been a large number cancelled because the lessee failed to complete the required duties. The accompanying diagram shows the number of leases in force.

ORDERS-IN-COUNCIL

A large number of orders-in-council were passed during the fiscal year but only the following affected the policy and procedure of the lands division.

O. C. 726-58, May 20, 1958:-

Established new homestead lease and homestead sale loan regulations to provide for loans on homestead sales and homestead leases converted to homestead sales.

O. C. 1049-58, July 15, 1958:-

Established new regulations governing the issue of licences of occupation which provided for a method of conducting arbitration of disputes on public lands.

O. C. 1318-58, September 9, 1958:-

Established Public Lands Pipe Line Regulations.

O. C. 201-58, February 3, 1959:-

Established new cultivation permit regulations to provide for the granting of cultivations permits on a cash or crop share rental basis.

O. C. 202-59, February 3, 1959:-

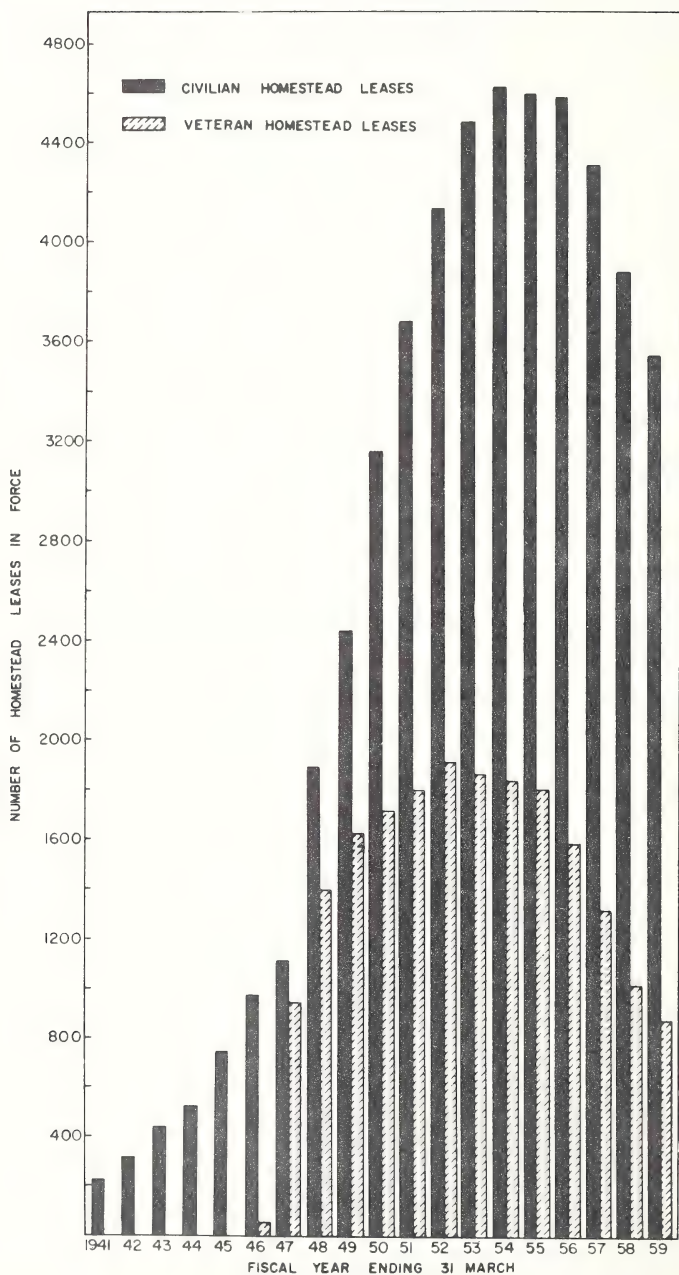
Established new grazing lease assignment regulations which provided for an increase in the assignment fees for grazing leases.

O. C. 203-59, February 3, 1959:-

Established a new schedule of fees and charges not otherwise provided for.

HOMESTEAD LEASES

There were 233 civilian and 20 veteran homestead leases issued during the fiscal year, compared to 333 civilian and 33 veteran leases in the previous fiscal year. The number of cancellations decreased by 102. The number of leases patented decreased by 104.



The demand for homestead leases has shown a further decrease in the past year due to the many opportunities for non-farm work and the generally unfavourable position of agriculture as compared to other non-farm industries.

Again as in the past year the Homestead Lease Loan Act has assisted many homesteaders in developing a more stable farm unit.

The amendments to The Public Lands Act in 1957 lowered the cultivation requirements for a homestead lease from 80 acres to 60 acres which is required to be in cultivation, per quarter section, after a lease has been held for nine years.

CROP SHARES

Seeding of the 1958 crop was general throughout Alberta by the 10th of May and was completed in most areas by the end of May.

Harvesting of Alberta crops became general by the middle of August. In the far north of the Province at Fort Vermilion yields of around 1,200 pounds per acre of rapeseed was reported.

Due to the lack of precipitation during mid-summer the 1958 crop yield of oats, barley and rye was slightly lower than the 1957 average. However, a slight increase in the yield of wheat and flax was reported.

Wheat grades ranged from No. 2 Northern to No. 5, with a predominating grade of No. 3 Northern.

The average yields per acre in Alberta were estimated as follows:

Wheat	19.9 bushels
Oats	33.6 bushels
Barley	26.3 bushels
Rye	16.4 bushels
Flax	11.3 bushels

Initial prices quoted by the Canadian Wheat Board for the crop year 1958-1959, commencing August 1st, 1958 based on carload lots in storage at Fort William, Port Arthur or Vancouver for No. 1 grades were:

Wheat	\$1.40
Oats	.60
Barley	.98

Cash closing prices on the Winnipeg Grain Exchange for rye and flax seed as on the dates shown were as follows:

	August 1st, 1958	July 31st, 1959
Rye 3 CW	\$1.03 1/2	\$1.11 7/8
Flax 1 Cw	\$2.78 3/4	\$2.86 1/4

For purposes of crop share collection yields in 1958 of less than five bushels per acre for oats, barley and rye, four bushels per acre for wheat and three bushels per acre for flax and other crops where the value of the yield was less than \$4.00 per acre, were considered a failure.

The initial delivery quota was equal to the quota established for last year except that in addition to the initial quota the final delivery quota reached eight bushels per specified acre throughout numerous delivery points in the Province during the 1958-59 crop year which will terminate July 31st, 1959.

SALE AND CULTIVATION LEASES

During the fiscal year ending March 31st, 1959 a total of 193 parcels of land were offered for sale in addition to 12 lots. Of these, 160 parcels and 9 lots were sold. The highest price received for a parcel of land was \$120.00 per acre in the Lethbridge area.

During the year a total of 66 parcels of land and 15 lots which were tax recovery land were transferred to the Department of Municipal Affairs. Also during the same period 39 parcels of public land were by Order-in-council created school land while 5 parcels of school land were withdrawn from the school land endowment for various reasons.

The following is a breakdown for comparison purposes for sales, cultivation leases and accrued area leases for 1957-58 and 1958-59:

YEAR	NEW	CANCELLED	PATENTED	IN FORCE
1957-58	295	171	171	2543
1958-59	304	60	477	2776

The increase in patented sales is due to the large auction sales conducted in the spring of 1949, and the sale accounts coming due in 1959.

Cultivation Leases - Public and School Land

YEAR	NEW	CANCELLED	IN FORCE
1957-58	126	347	1740
1958-59	162	267	1635

Accrued Area Leases

YEAR	NEW	CANCELLED	IN FORCE
1957-58	98	115	676
1958-59	56	82	650

The following tables indicate the monies collected during the year on account of public and school land sales:

School Land Sales

\$

Amount collected on new sales	97,295.99
Total revenue collected on principal	399,594.04
Total revenue collected on interest	51,815.43

Public Land Sales

Amount collected on new sales	47,644.35
Total revenue collected on principal	130,722.83
Total revenue collected on interest	10,212.44

Tax Recovery Sales

Amount collected on new sales	13,421.36
Total revenue collected on principal	28,772.83
Total revenue collected on interest	1,765.30

There has been a definite increase of monies collected on new sales and on principal during 1958-59 over that of the previous year while correspondingly that was a slight decrease in the amounts collected on the amount of interest.

The total amounts collected during the fiscal year are as follows:

Total revenue collected on all sales principal	717,408.17
Total revenue collected on all sales interest	63,793.17
Total collected on all sales	781,201.34

The total amount collected on all sales for the year 1958-59 exceeds that collected during 1957-58 by \$219,600.40.

During the fiscal year ending March 31st, 1959, the department paid out, under authority of Section 5 of the Crown Cultivation Leases Act, a total of \$139,883.29 in lieu of taxes. This is a decrease from that paid out in the previous year of \$5,660.80. It is interesting to note that, excluding the clearing project areas, the total assessed value of land under cultivation lease is \$2,331,890.00.

In January, 1959, new Cultivation Permit regulations came into effect allowing a permit to issue for the purpose of cultivation only or cultivation and grazing. Payment for such permits is calculated on either a cash or a crop share basis.

SPECIAL LAND USE

In the Special Land Use Group applications received and processed during the past year remained at a high level. Many Licences of Occupation for roads and permits and leases for camp sites were issued to companies engaged in production of oil and gas. As oil activity moves further into the unsettled areas of the Province where lands are wholly owned by the Crown, problems are created concerning the construction of roads and locations of temporary camp sites. This Division co-operates very closely with the Forestry Division in these matters in an effort to avoid unnecessary waste of forest cover and to maintain a reasonable degree of order in the forest areas.

There is still a fair demand for commercial sites adjacent to main and secondary highways and the program of providing parcels of land for such use is continuing pursuant to policies established some years ago.

By Order-In-Council 1318/58 filed on September 10th, 1958 the Public Land Pipe Line Regulations were established enabling the department of Lands and Forests to grant pipe line agreements for oil and gas pipeline rights-of-way to pipe line operators. These regulations do not replace the Pipe Line Expropriation Regulations established under the Pipe Line Act, which are still necessary in cases where an occupant of the land will not consent to an agreement being granted.

Numerous inquiries were received and many consultations were held with other government and planning agencies which are becoming more involved in Special Land Use.

Due to the increased demand, Sand and Gravel Leases in effect as of March 31st, 1959 totalled 328 compared to 209 in effect as at March 31st, 1958. During the fiscal year a total of 95 Sand and Gravel Permits were granted covering 57,545 cubic yards.

SUB-AGENCIES

Public land sub-agencies were maintained at Bonnyville, Lac La Biche, Peace River, Edson, Rocky Mountain House and Grande Prairie. The Office of Information, Calgary, was also continued.

Also as in the past temporary sub-agencies for one or two days a month were maintained at High Prairie, Spirit River, La Crete, Cherry Point, Hines Creek, Fort Vermilion, and Sunset House, during the months from May to November inclusive.

INSPECTIONS

The inspection work this year was carried out by thirteen permanent and one temporary inspector. As usual during the winter and early spring when unable to work in the field the permanent inspectors assisted in office work and also conducted the auction sales of school and public lands.

The following is a summary of field inspections:

Soil Surveys (Applications for Homestead Leases)

Requests outstanding at April 1st, 1958	222
Reports called for during fiscal year	574
Reports received during fiscal year	575
Requests outstanding at March 31st, 1959	221

Inspections General, Grazing and School Lands:

Requests outstanding at April 1st, 1958	1,815
Reports called for during fiscal year	4,603
Reports received during fiscal year	4,487
Requests outstanding at March 31st, 1959	1,931

It will be noted that there has been a slight increase in the number of requests for inspections and inspections completed. The increase in the inspections completed being due to improved road conditions.

COLLECTIONS

During the year under review collections were again made the responsibility of the inspection staff. Collections made during the fiscal year numbered 585 in comparison to 476 during the last fiscal year.

Collection requests received during fiscal year	585
Collection requests outstanding at March 31st, 1958	153

SUPERVISOR, LAND CLASSIFICATION

During 1958 exploratory soils survey work was carried out in Township 104, Ranges 12 to 19, West of 5th Meridian. Also in Townships 105 and 106, Ranges 12 to 15, West of 5th Meridian.

A survey was taken of people eligible to acquire homestead leases, who were presently resident in the district south of Fort Vermilion.

An exploratory soil survey was made of Townships 113 to 115, Ranges 1 to 4, West of 6th Meridian.

A large number of Right of Entry inspections were made in connection with oil development. A number of investigations were made in regard to Oil Companies entering upon lands by trespass. Right of Entry Arbitration Board Hearings were attended in connection with right of entry and trespass.

In addition, a short time was spent on general inspections.

The following is a summary of business transacted:

HOMESTEAD LOANS

Loan contracts in force at April 1, 1958	960
Loan contracts issued during fiscal year	142
Loans cancelled during fiscal year	65
Loan contracts in force at March 31, 1959	1,037

AUCTION SALES

	Listed	Sold
Public Lands	26	23
School Lands	167	134
Lots	12	9
Highest Price per acre	\$120.00	
Highest Price per lot	\$105.00	
Average price per acre	\$ 16.32	
Average price per lot	\$ 68.53	

ACCRUED AREA LEASES

	No.	Area in acres
Leases in force at April 1, 1958	676	48,144.69
Leases issued during fiscal year	56	2,727.09
Leases cancelled during fiscal year	82	4,255.89
Leases in force at March 31, 1959	650	46,515.89

HOMESTEAD LEASE - CIVILIAN

Leases in force at April 1, 1958	3900	951,337.14
Leases issued during fiscal year	233	58,115.03
Leases patented during fiscal year	220	45,956.18
Leases cancelled during fiscal year	441	149,821.02
Leases in force at March 31, 1959	3472	813,674.97
Leases not executed	23	

HOMESTEAD LEASES - VETERAN

Leases in force at April 1, 1958	1027	278,339.94
Leases issued during fiscal year	20	6,335.23
Leases patented during fiscal year	158	41,300.88
Leases cancelled during fiscal year	57	16,521.02
Leases in force at March 31, 1959	832	226,853.27
Leases not executed	4	

CLEARING PROJECT LEASES AND SALES
AT MARCH 31, 1959

Civilian Homesteads	19	6,101.01
Veteran Homesteads	55	17,630.89
Total	74	23,731.90
* Crop Share Leases	5	1,598.00
* Cultivation Leases	5	1,612.00
* Purchase Agreements	153	48,892.41

*Leases and Sales included in other reports.

LICENCES OF OCCUPATION

Licences in force at April 1, 1958	460
Licences issued during fiscal year	147
Licences cancelled during fiscal year	51
Licences in force at March 31, 1959	556

MISCELLANEOUS LEASES

Leases in force at April 1, 1958	382	23,183.00
Leases issued during fiscal year	207	3,176.41
Leases cancelled during fiscal year	37	1,610.45
Leases in force at March 31, 1959	552	24,748.96

SEED CROP LEASES

	No.	Area in acres
Leases in force at April 1, 1958	2	25,861.30
Leases issued during fiscal year	1	1,403.30
Leases cancelled during fiscal year	1	18,408.00
Leases in force at March 31, 1959	2	8,856.60

TOWNSITE LEASES

Leases in force at April 1, 1958	7	1,011.53
Leases issued during fiscal year	1	15.70
Leases cancelled during fiscal year	2	287.90
Leases in force at March 31, 1959	6	739.33

MINERAL SURFACE LEASES

Leases in force at April 1, 1958	9	17,618.93
Leases issued during fiscal year	105	936.88
Leases cancelled during fiscal year	10	47.45
Leases in force at March 31, 1959	104	18,508.36

CULTIVATION LEASES - PUBLIC LANDS

Leases in force at April 1, 1958	659	131,510.96
Leases issued during fiscal year	55	11,201.78
Leases cancelled during fiscal year	132	24,686.69
Leases in force at March 31, 1959	582	118,026.05

PUBLIC LAND SALES

Sales in force at April 1, 1958	941	124,394.70
Sales granted during fiscal year	155	7,764.79
Sales patented during fiscal year	229	13,158.06
Sales cancelled during fiscal year	20	3,180.36
Sales in force at March 31, 1959	847	115,821.07

PURCHASE AGREEMENTS. (CLEARING PROJECT)

Sales in force at April 1, 1958	148	47,289.41
Sales granted during fiscal year	14	4,498.00
Sales patented during fiscal year	5	1,608.00
Sales cancelled during fiscal year	4	1,287.00
Sales in force at March 31, 1959	153	48,892.41

CIVILIAN HOMESTEAD SALES

Sales in force at April 1, 1958	37	9,355.33
Sales granted during fiscal year	129	29,372.87
Sales patented during fiscal year	1	160.00
Sales cancelled during fiscal year	1	322.00
Sales in force at March 31, 1959	164	38,246.20

VETERAN HOMESTEAD SALES

	No.	Area in acres
Sales in force at April 1, 1958	1	264.84
Sales granted during fiscal year	8	1,898.76
Sales patented during fiscal year	0	0
Sales cancelled during fiscal year	0	0
Sales in force at March 31, 1959	10	2,163.60

ROAD ALLOWANCE LEASES

Leases in force at April 1, 1958	1439	66,496.80
Leases issued during fiscal year	126	4,029.08
Leases cancelled during fiscal year	76	3,194.53
Leases in force at March 31, 1959	1489	67,331.35

RIGHTS OF ENTRY

Rights of Entry at April 1, 1958	3,230
Applications received during fiscal year	866
Rights of Entry cancelled during fiscal year	180
Rights of Entry granted during fiscal year	1,310
Applications pending at March 31, 1959	548
Rights of Entry in force at March 31, 1959	4,360

PIPE LINE AGREEMENTS

	No.	Area in acres
Agreements in force at April 1, 1958	0	0
Agreements issued during fiscal year	57	417.75
Agreements cancelled during fiscal year	0	0
Agreements in force at March 31, 1959	57	417.75

EASEMENTS

Leases in force at April 1, 1958	544
Leases issued during fiscal year	183
Leases cancelled during fiscal year	18
Leases in force at March 31, 1959	709

SAND AND GRAVEL LEASES

Leases in force at April 1, 1958	219
Leases issued during fiscal year	147
Leases cancelled during fiscal year	32
Leases in force at March 31, 1959	334

SAND AND GRAVEL RESERVATIONS

To Provincial Government Departments, Municipal Districts Cities and Towns	333
To Government of Canada	9

MISCELLANEOUS PERMITS	No.	Area in acres
Issued during fiscal year	685	

MISCELLANEOUS PERMITS (Trappers Cabins)

Issued during fiscal year	152
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GRAZING PERMITS - PUBLIC LANDS

Issued during fiscal year	1804	395,335.64
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CULTIVATION PERMITS -PUBLIC LANDS

Issued during fiscal year	47	1,242.
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HAY PERMITS - PUBLIC LANDS

Number of Permits issued	567
Total number of tons -	6,216 1/2

NOTIFICATION FOR TITLE (Homesteads and Soldier Grant Entries)

Unpatented Homestead and Soldier Grant Entries	36
Applications for Patent received during fiscal year	1
Notifications for Title issued during fiscal year	2
Homestead Entries cancelled	0
Unpatented Homestead and Soldier Grant Entries	34

ASSIGNMENT REGISTERED

Leases, Permits and Sales	408
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GRAZING LANDS

Inspection work in connection with the grazing lands of the Province was carried out by the Grazing Appraiser and two assistants. This is an increase of one over the previous year.

Due to great pressure for additional grazing lands some time was spent in the exploration of outlying areas for the possibility of locating other such grazing lands. Most of the exploratory work was carried out in the area to the east and west of the highway stretching from Whitecourt to Valleyview and in the Peace River Country.

At the request of the Department of Municipal Affairs, some time was devoted to the establishment of grazing standards for grazing lands within the Special Areas for assessment purposes. The area chosen for the study was in the Neutral Hills, Consort, Youngstown, Hanna, Bullpound, Cessford and Wardlaw areas of Alberta. Representatives of the Department of Municipal Affairs and Hu Harries & Associates, Assessors, received instructions regarding the establishment of grazing standards.

Throughout the year attempts were made at all times to keep posted on current literature and to maintain liaison between the Experimental Farm Services and other scientific organizations conducting research studies in range management. The grazing appraiser, as a member of the Alberta Forage Crop Advisory Committee, received up-to-date information regarding the introduction and improvements of new forage varieties likely to increase forage crop and beef production.

Liaison was also maintained with range research workers in Canada and the United States by virtue of membership in the American Society of Range Management. Information secured was discussed with Alberta ranch operators with the hope that results obtained in other places may be applicable here and lead to higher beef production.

Finally attention was paid to the entrance and possible spread of range weeds from British Columbia and Montana into Alberta range lands. A number of noxious range weeds are known to exist in the above areas and are potential invaders and could seriously affect the productivity of Alberta grazing lands if once established. So far none of the important possible invaders have been discovered within the Province.

The 1958 demand for grazing land, especially in southern and central Alberta, reached an all time high. Reports were received that some ranchers who were selling out were asking and getting up to \$5.00 per acre for the right to take over lands held under lease.

After discussions with the Lease Committee of the Western Stock Growers Association, it was decided to increase the assignment fee paid for the transfer of grazing leases and grazing permits from an amount equal to one half the current annual rental to a minimum amount equal to twice the current annual rental. In the case of grazing leases a statement is required from the assignor and assignee indicating the amount of consideration paid for the lease. If one half the net consideration paid, less improvements, is more than twice the current annual rental, then the larger amount is charged as the assignment fee.

In the case of an assignment from a father to a son or a mother to a daughter, the assignment fee is equal to the current annual rental. The assignment fee to transfer a grazing lease from an Estate to a beneficiary in said Estate was allowed to remain at \$10.00.

In 1958 the demand for grazing lands in the southern portion of the Province was so strong that measures were taken to withdraw certain areas from the leases of four large leaseholders who held an area greater than that required to graze 1,000 head of stock on a 12 month basis for the purpose of making such land available to grazing associations. As a result, the Writing on Stone Grazing Association was granted a grazing lease as well as the Nemiscam Grazing Association who already held a lease but were granted additional acreage. The Hays Grazing Association was also incorporated and was issued a lease on the area of grazing land withdrawn from a large ranch in the area. As well in 1958 the Spruce Grazing Co-Operative Limited finalized negotiations and obtained the lease of the Jean Brown Estate.

Several new community pastures were established in Northern Alberta during the 1958 season including the Long Valley Grazing Association at Whitelaw, the Bear Canyon Grazing Association at Cherry Point and the Lucky Lake Grazing Association at Smoky Lake. There were various other associations formed and are in the process of acquiring leases.

In 1958 there was an increase in the number of lessees applying for assistance under the Range Improvement Program for regrassing abandoned cultivation sites on their leases and developing stock watering facilities. As well, during 1958, the Department with the co-operation and help of the Western Stock Growers Association experimented in the clearing of brush by aerial spraying. Four leases in the foothills area were sprayed, however, it will not be possible to assess the result until the summer of 1959.

During 1958 six Wild Horse Roundup permits were in effect. The total number of horses reported as being rounded up and cleared for sale was 146, of which 128 were from the Edson-Hinton area.

The average price for all grades of cattle, except fed calves, choice steers and choice heifers sold on the Calgary market during the period, July 1st to December 31st, 1958 was 21.53 cents per pound as compared to 14.95 cents per pound for the same period in 1957. Accordingly, the rental and taxes per acre for the period January 1st, to December 31st, 1959 on Grazing Leases and from April 1st, 1959 to March 31st, 1960 on Grazing Permits was increased from 1958 as follows:

	1958	1959
One head to 24 acres	19 1/2¢ per acre	28¢ per acre
One head to 32 acres	14 1/2¢ per acre	21¢ per acre
One head to 40 acres	11 3/4¢ per acre	16 3/4¢ per acre
One head to 50 acres	9 1/4¢ per acre	13 1/2¢ per acre
One head to 60 acres	7 3/4¢ per acre	11 1/4¢ per acre

Lands which were formerly in the Special Areas and which have been transferred to the jurisdiction of this Department remain in a special category as far as rental is concerned. This rate is based on 8% of the forage value as compared to 12 1/2% outside the Special Areas.

The 1959 rental and taxes per acre for Grazing Leases and Grazing Permits in these areas as compared to 1958 are as follows:

	1958	1959
One head to 40 acres	7 1/2¢ per acre	10 3/4¢ per acre
One head to 50 acres	6¢ per acre	8 1/2¢ per acre
One head to 60 acres	5¢ per acre	7¢ per acre

Grazing rentals on a head tax basis for 1959 on provincial grazing reserves were set as follows:

Twin River Grazing Reserve

Cattle	-	\$1.50 per head per month
Horses	-	\$1.70 per head per month

Vauxhall Grazing Reserve. (no caretaker provided)

Cattle	-	\$.55 per head per month
Horses	-	\$.70 per head per month
Sheep	-	\$.11 per head per month

Purple Springs Irrigated Grazing Reserve

Cattle	-	\$2.50 per head per month
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Where no caretaker or other facilities are provided by the Department, grazing rental on a Head Tax Basis was set as follows for 1959:

Horses	-	\$.50 per head per month
Cattle	-	\$.40 per head per month
Sheep	-	\$.08 per head per month

There were 36 grazing association leases and three Provincial Grazing Reserves in operation in 1958, as well as a number in the process of being formed.

The following is a summary of the Grazing Reserves and Community Pastures operated by Associations and Co-operatives.

THE TWIN RIVER PROVINCIAL GRAZING RESERVE

The Twin River Provincial Grazing Reserve comprises an area of 21,388 acres with twenty-three and three quarter miles of fencing.

In 1958, 46 permits were issued for the grazing of 1,336 head of stock on a six month basis. The caretaker was resident on the Reserve during the full grazing season, May 1st to November 1st and his services were very satisfactory.

VAUXHALL PROVINCIAL GRAZING RESERVE

The area of the Vauxhall Provincial Grazing Reserve available for allotment in 1958 was approximately 100,000 acres with thirty-nine and three quarter miles of two, three and four wire fence belonging to the Department.

Part of the area which was formerly dealt with as a reserve and administered by a permanent caretaker was turned over to the Vauxhall Grazing Association during 1953. The said association operated in 1958 in the same manner as an association lease.

During 1958 an agreement was made between the Hays Grazing Association and the Vauxhall Grazing Association that the Hays Grazing Association would take over and administer part of the area formerly controlled by Vauxhall Grazing Association.

On lands surrounding the area held by the Vauxhall Grazing Association and Hays Grazing Association within the Reserve, allotments were made to individuals during 1958 on the same basis as that followed in previous years.

PURPLE SPRINGS IRRIGATED GRAZING RESERVE

The area of the Purple Springs Irrigated Grazing Reserve is 1,280 acres. The caretaker was in permanent residence on the reserve during the 1958 grazing season. The reserve did not operate to full capacity during 1958 but it is hoped that it will be completely filled during 1959.

COMMUNITY PASTURES UNDER LONG TERM GRAZING LEASE AND
GRAZING PERMITS BY ASSOCIATIONS AND CO-OPERATIVES
(Association responsible for the upkeep and care of stock.)

NAME OF GRAZING ASSOCIATION	Area in acres
Barnwell Grazing Association - Barnwell	3,142
Bear Canyon Grazing Association - Cherry Point	1,316
Big Four Lease Association - Armada	3,035
Blackfoot Grazing Association - Uncas	24,599
Bluefield Grazing Association - Elkwater	11,726
Boundary Creek Association - Boundary Creek	636
Bowell West Grazing Association - Bowell	8,008
Bow Island-Forty Mile Grazing Association - Burdett	24,365
B. T. Grazing Co-operative Limited - Hilda	26,300
Burkes Lake Stockmans Association - Tulliby Lake	3,120
Castle River Stock Association - Beaver Mines	6,159
Chauvin District Grazing Association - Chauvin	1,113
Comrey Grazing Association - Comrey	29,953
Cresthill Farmers Community Grazing Association - Chauvin	14,271
Deimuth Lease Association - Turin	1,743
Drowning Ford Grazing Association - Medicine Hat	33,069
Dunn Lake Cattle Association - Edgerton	3,595
Eastern Irrigation District - Brooks	4,971
Elk Island Grazing Association - Whitelaw	1,456
Fir Grove Stock Association - Bellevue	3,742
Green Prairie Grazing Group - Armada	2,875
Jumping Pound Stock Association - Calgary	12,765
The Lakes Grazing Association - Czar	1,906
Little Bow Grazing Association - Champion	4,345
Lomond Grazing Association - Lomond	82,196
Lucky Lake Grazing Association - Smoky Lake	4,391
Many Island Lake Grazing Association - Poshley	17,565
Nemiscam Community Pasture Organization-Nemiscam	4,780
North Group Cattle Association - Marwayne	9,934
Pipeline Grazing Association - Bowell	23,260
Poll Haven Community Pasture - Mountain View	10,462
Rocky Coulee Grazing Association - Bowell	4,432
Ross Lake Community Pasture - Owendale	4,473
Stirling Pasture Company Limited - Stirling	747
Tide Lake Grazing Association - Jenner	15,779
Tulliby Lake Stockmans Association - Marwayne	13,989

The Buffalo Park Grazing Association and the South Park Grazing Association operating at Wainwright and Hardisty made use of Grazing facilities on the military camp area at Wainwright and Crown land adjoining such military camp during 1958. They obtained grazing privileges amounting to 10,021 cow months and 78 horse months during 1958. As well, 2,222 tons of hay was cut under Hay permit and removed from the military area in 1958.



TYPICAL FOOTHILLS RANGE

The arrangement for obtaining grazing in this area is in accordance with an agreement between the Department of National Defence, the Buffalo Park Grazing Association, the South Park Grazing Association and this Department. Rental collected for grazing obtained and hay cut on the military area is applied to the National Defence rental account with the department.

GRAZING LEASES

	No.	Area in Acres
Leases in force at April 1, 1958	3,155	3,528,757.88
Leases issued during fiscal year	209	191,453.97
Leases cancelled during fiscal year	193	224,071.25
Leases renewed during fiscal year	100	91,311.79
Leases in force at March 31, 1959	3,171	3,496,140.60
Leases not executed	14	

APPLICATIONS RECEIVED FROM APRIL 1, 1958 to MARCH 31, 1959 (Public and School Land)

Homestead	455
Accrued Area	73
Cultivation P. Lands	74
Cultivation S. Lands	93
Purchase	37
Miscellaneous	529
Licence of Occupation	189
Easement	156
Sand and Gravel	165
Homestead Loans	191
Grants, etc.	4
Homestead Sales	215
Mineral Surface	267
Crop Share	0
Seed Crop	2
Townsite	0
Right of Entry	866
Pipe Line Agreement	150
Pipe Line Installations	1
Grazing - new	288
Grazing - renewal	41
Road Allowance	142

SCHOOL LANDS

A total of 167 parcels of school land were offered for sale during the past fiscal year, of which 137 were sold. This is an increase from the number of parcels offered and sold during the previous year which was due to a considerable number of cultivation leases having expired and not being renewed. The amount of money collected on new school land sales during the fiscal year was \$97,295.99, an increase of \$16,517.27 over the previous year.

The total revenue derived from school land sale accounts during the fiscal year was:

Principal	\$399,594.04
Interest	51,815.43
Total	451,409.47

The total revenue collected is an increase of \$22,353.09 over the previous year's revenue.

The following is a summary of other school land business transacted:

SCHOOL LAND SALES

	No.	Area in Acres
Sales in force at April 1, 1958	1,835	285,073.83
Sales granted during fiscal year	149	22,422.85
Sales patented during fiscal year	248	37,276.57
Sales cancelled during fiscal year	40	6,428.57
Sales in force at March 31, 1959	1,696	263,791.61

MISCELLANEOUS LEASES

Leases in force at April 1, 1958	55	1,860.45
Leases issued during fiscal year	1	(lot)
Leases cancelled during fiscal year	7	386.62
Leases in force at March 31, 1959	49	1,473.83

CULTIVATION LEASES

Leases in force at April 1, 1958	1,081	202,841.96
Leases issued during fiscal year	107	19,372.48
Leases cancelled during fiscal year	135	25,494.99
Leases in force at March 31, 1959	1,053	196,719.45

GRAZING PERMITS

Issued during fiscal year	739	181,744.87
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CULTIVATION PERMITS

Issued during fiscal year	23	1,908.50
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HAY PERMITS

Issued during fiscal year	92
(Total number of tons - 981)	

ASSIGNMENTS REGISTERED

Leases, Permits and Sales	93
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Statement of revenue pertaining to school lands may be found in the report of the Accounting Division.

Note: The term "Leases cancelled during fiscal year" includes leases which expired.

STAFF

There was very little turnover of staff during the year except in the stenographic group where the turnover was about the same as in former years.

The co-operation and faithful service of the Lands Division staff is appreciated.

Forestry

Report of the Director of Forestry

E. S. HUESTIS

FOREST PROTECTION

Due to prolonged dry and hot periods accompanied by hot winds continuing throughout the entire season in most of the protection area, we experienced the worst season on record. Although good rains were received in many parts of the Province there was great inconsistency in distribution, resulting in the northern and especially the northwestern part of the Province receiving little or no relief during the entire season.

The fire hazard was normal during the early spring but rose sharply in May, which also greatly increased the fire incidence during the month. Light to moderate rains brought some relief in June. Hazard conditions again rose sharply in July and August. The heaviest losses occurred during this period. Although there was some improvement in fire conditions during the fall months the hazard remained generally high to extreme in the western part of the Province.

Suppressive action was taken on 464 fires. Of these fires 260 (56.1%) originated in the forest zone and 204 (43.9%) in the settlement zone. A total of 230,993 acres were burned over, consisting of 155,240 acres of forested land and 75,753 acres of non-forested land.

In addition to the above mentioned fires action was taken on three fires outside the Alberta boundary. Two of these fires were in British Columbia and one in Saskatchewan. The two British Columbia fires were fought entirely by Alberta crews until the fires were extinguished. The Saskatchewan fire was located by us and only initial action was taken. Saskatchewan was notified of the fire and they provided a crew of their own and took over the firefighting activities. Action was taken on the British Columbia fires as there was danger of a spread into Alberta. British Columbia was notified of these fires but they were unable to take any action.

Principal causes were campers, responsible for 23.1%; lightning 17.5%; settlers 17.0%; smokers 13.8% and incendiary 10.3%, forming 81.7% of all fires. Principal cause showing improvement is "industrial", declining from 12.8% to 6.0%. Causes showing increases are campers, from a previous 17.8% to 23.1%; smokers, from 9.5% to 13.8% and railway, from 1.6% to 5.6%.

The detection system was improved by the construction of six new towers, bringing the total to sixty-five. Lookout coverage was supplemented by approximately 38,000 miles of aerial fire patrol. An added improvement is a program of constructing landing strips at tower sites for the purpose of opening towers in the spring and for fast service when radio repairs are required; also, for servicing the towermen, particularly in remote towers and when road conditions are bad. It is the intention to largely eliminate the use of helicopters for this purpose when all necessary landing strips have been completed.



FIRE SUPPRESSION ASSISTED BY AIRCRAFT



HINTON RANGER STATION

The reason for using fixed wing aircraft in preference to helicopters for this type of work is the cost factor.

Six new sites were checked by aerial photography and four present tower sites were evaluated by the same method.

Listed below are the number of fires reported by the different agencies, indicating an increase in fires reported by railways and aircraft, and continued good co-operation by the public:

Forest Officers	Towers	Public	Railway	Aircraft
122	135	142	27	38

Percentage:

26.3	29.0	30.6	5.9	8.2
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A total of 140 prosecutions were cited and 133 convictions obtained by the Forest Service under Part III of The Forests Act.

New firefighting equipment included hand and camping equipment for an additional 300 men, bringing up stocks sufficient for equipping 6,400 men. Other increases include purchase of 18 power pumps (Wajax and I.E.L.); 17 power saws (I.E.L.) and McCullough; several boats including one river or lake boat, 24 ft. long, 7 1/2 ft. beam, powered by an air cooled 60 h.p. Lycoming Engine.

Increase in field transportation equipment was 15 vehicles in the 1/2-ton to 3/4-ton range. There was no increase in track vehicles.

An extension in the use of fibre glass for cupola construction, some research and experimenting has been conducted in manufacturing timber cruising calipers, axe handles, snowshoes and various small containers where strength and light weight are required. Regarding the calipers and snowshoes the problem is not the original cost, which will be approximately the same as ordinary types purchased, but rather, an endeavour to come up with something that will have much more strength and lasting qualities. A very good axe handle has been made but the cost is too high to warrant manufacture. Calipers are being found satisfactory in use and very much stronger. Snowshoes are in the stage of manufacture of the prototype and have not been field tested.

Roads and airstrips: Although road construction was delayed considerably due to the bad fire season, the open fall made it possible to generally complete the program planned. New construction included 217 miles complete with grade and culverts and 35 miles cleared only. Also erected was one Bailey Bridge, 100 ft. span, 18 ton capacity, price \$12,000.00. Airstrip construction was also continued and consisted partly of improving by lengthening and extending clearing of approaches. The last total of 120 was increased to 128 by new construction. Airstrips at towers are all of a type suitable for the Courier aircraft which requires a minimum of 500 ft. with the same amount of clearance at each end. This has been extended to 700 ft. for a better margin of safety.

Buildings: As the labor cost in construction of Ranger Stations and other buildings appears to be very high, and still increasing, a departure from the usual method of contract or carpenter hire was made this year. All Ranger Station buildings constructed this season were prefabricated and delivered by truck to the various sites by the contracting firm. A further step along this line was taken by the same firm supplying plumbing kits, electrical kits and paint kits; heating was part of the building packet. As these projects are not as yet all finished an actual comparison of costs is not possible. However a very considerable saving has been effected and the same method is to be used in future. Listed below are the buildings constructed this year:

6 Cottages	24' x 28'
6 houses	24' x 40'
12 2-stall Garages	22' x 24'
9 Equipment Caches	16' x 24'

FIRE SUPPRESSION

During the fire season of 1958 a total of 464 fires were dealt with as shown below in classes:

189 Class "A" or small fires (less than 1/4 of an acre)
133 Class "B" fires (over 1/4 up to 10 acres)
74 Class "C" fires (over 10 acres up to 100 acres)
34 Class "D" fires (over 100 acres up to 500 acres)
34 Class "E" fires (over 500 acres)

RAILWAY FIRE LOSSES, CALENDAR YEAR 1958

CAUSES AND NUMBER OF FIRES:

Railway Causes -	
Locomotives	7
Employees	2
Burning or smoking material from train	17
Total	26
Known Causes Other than Railway -	
Campers & Travellers	2
Other known causes	3
Total	5
Unknown Causes -	Total
	3
Grand Total	34

NUMBER OF ACRES BURNED:

Slashing or Old Burn	18.12
Timber Land	7.0
Young Growth	40.0
Non-forested	30.0
Total	95.12

LOSS:

Timber	\$236.00
Young Growth	60.00
Forest Products	Nil
Other Property	Nil
Total	\$296.00

COMPARISON OF FIRE CAUSES BY PERCENTAGES
FOR THE YEARS 1947 TO 1958 INCLUSIVE

CAUSE	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Campers	15.5	29.9	21.4	23.8	16.7	25.0	40.0	36.5	14.7	14.4	17.8	23.1
Smokers	6.6	12.5	9.6	10.1	23.8	9.4	10.0	11.8	9.9	12.0	9.5	13.8
Settlers	7.4	10.9	23.6	14.9	19.0	12.5	10.7	17.6	21.9	24.0	16.7	17.0
Railways	32.8	15.2	8.9	10.9	10.7	17.7	11.4	3.5	6.0	1.2	1.6	5.6
Lightning	4.1	3.8	6.8	8.9	8.3	3.1	5.0	5.9	15.1	17.8	18.3	17.5
Industrial	4.9	8.7	3.5	4.0	6.0	7.8	2.9	7.1	6.0	5.0	12.8	6.0
Incendiary	4.1	2.7	7.3	8.0	8.3	12.0	12.9	1.2	13.8	12.0	14.4	10.3
Public Works			1.6	1.2			0.7	4.7	1.8	1.9	2.2	1.5
Unclassified	0.8	0.6	3.9	6.9	6.0	4.2	2.2	2.3	3.5	4.7	1.1	1.5
Unknown	23.8	15.7	13.4	11.3	1.2	8.3	4.2	9.4	7.3	7.0	5.6	3.7

COMPARISON OF FIRE LOSSES AND CAUSES
BY PERCENTAGES FOR THE YEAR 1958

	Number of Fires %	Merchantable Timber Losses Acres %	Total Acreage Burned %
Campers	23.1	3.8	3.2
Smokers	13.8	4.1	6.9
Settlers	17.0	2.0	5.8
Railway	5.6	nil	nil
Lightning	17.5	85.4	72.8
Industrial	6.0	0.5	0.3
Incendiary	10.3	4.0	10.4
Public Works	1.5	nil	nil
Unclassified	1.5	nil	0.1
Unknown	3.7	0.2	0.5

SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS
FROM 1947 TO 1958 INCLUSIVE

YEAR	TOTAL FIRES	NON FORESTED	FORESTED	TOTAL AREA	SUPPRESSION COSTS
	No.	Acres	Acres	Acres	\$
1947	122	46,895	33,166	80,061	19,876
1948	184	195,491	107,726	303,217	90,904
1949	314	552,185	908,862	1,461,047	248,635
1950	248	233,509	472,178	705,687	336,304
1951	84	13,303	10,565	23,868	25,092
1952	192	184,905	299,424	484,329	70,443
1953	140	137,275	196,826	334,101	188,202
1954	85	71,008	57,869	128,877	77,453
1955	232	76,716	124,578	201,294	165,906
1956	258	116,679	577,801	694,480	657,092
1957	100	3,777	11,709	15,486	129,956
1958	464	75,753	155,240	230,993	1,475,347
Totals	2,503	1,707,496	2,955,944	4,663,440	3,485,210

IMPROVEMENTS - STATEMENT OF MAN - DAYS WORKED BY FORESTRY PERSONNEL - FISCAL YEAR 1958 - 59

FOREST PROTECTION BRANCH

	Houses and Cottages	Garages and Sheds	Fences	Lookouts and Towers	Water Supply Systems	Barns and Stables	Telephone Lines	Bridges	Grounds	Trails	Cabins	Camp Shelters	Access Roads	Radio	Airstrips	Misc.	TOTAL
New Construction	1,057.5	357	22.5	714.5	38	3	60.5	37.5	70.5	17.5	239		1,774	8	270.5	118.5	4,788.5
Maintenance	245.5	114.5	99	81.5	27.5		360.5	6	413	75	154.5	10	450.5	17.5	7.5	43	2,105.5

MODE OF TRANSPORTATION AND MILEAGE TRAVELLED BY FORESTRY PERSONNEL

FISCAL YEAR 1958 - 59

DIVISIONS	FOOT	HORSE	SPEEDER	AUTO	BOAT	PLANE	RAILWAY	BUS	OTHERS	TOTALS
Forest Protection Branch	55,142	16,366	12,870	2,771,070	19,760	175,746	20,288	180	68,106	3,139,528
Radio		90		70,916		1,390	1,871		371	74,638
TOTALS	55,142	16,456	12,870	2,841,986	19,760	177,136	22,159	180	68,477	3,214,166

ANNUAL SUMMARY OF FOREST FIRE LOSSES

FIRES WITHIN FOREST RESERVES

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CAUSE	NUMBER OF FIRES						LANDS AFFECTED				CONDITION				LOSS		SUPPRESSION COSTS						
							OWNERSHIP		AREA	TIMBER (MERCHANTABLE AND CUT-OVER					Loss of Timber	Loss of Young Growth	Loss of Other Property	Total Loss	Ranger Service	Other Expenditure	Total		
	CLASS						Public	Private		Total	Merchantable Timber	Cut-over Timber	Young Growth	Not Forested								UNSALVABLE	
	A	B	C	D	E	Total																Saw-Timber	Other
							Acres	Acres	Acres	Acres	Acres	Acres	Acres	M. Ft. B. M.	Cords	\$	\$	\$	\$	\$	\$	\$	
Campers	2		1		1	4	3,707		3,707	1,501	40	1,133	1,033	2,946	18,517	42,598	11,121		53,719	1,072	64,552	65,624	
Smokers		1				1	1		1			1					5		5	15	14	29	
Settlers																							
Railway																							
Lightning	4					4													115		50	165	
Lumbering	2	1				3	1		1			1					16	527	543	28	41	69	
Incendiary																							
Public Works																							
Unclassified																							
Unknown																							
TOTALS	8	2	1		1	12	3,709		3,709	1,501	40	1,135	1,033	2,946	18,517	42,598	11,142	527	54,267	1,230	64,657	65,887	

FIRES OUTSIDE FOREST RESERVES

Campers	66	20	9	6	2	103	3,643	54	3,697	2,029	15	1,470	183	1,093	21,505	26,948	6,857	5,084	38,889	5,986	66,099	72,085
Smokers	22	26	10	2	3	63	13,646	2,393	16,039	3,714		8,700	3,625	4,264	22,865	48,840	15,797	1,015	65,652	2,933	62,934	65,867
Settlers	18	20	24	8	9	79	5,794	7,624	13,418	1,833		3,514	8,071	337	18,242	13,459	9,050	4,890	27,399	3,135	70,787	73,922
Railway	14	11	1			26	51	13	64	8		40	16	4	139	236	60		296	264	548	812
Lightning	21	30	9	5	12	77	167,749	357	168,106	78,328		35,417	54,361	99,195	1,128,474	2,004,041	373,605	58,860	2,436,506	16,563	930,489	947,052
Industrial	15	5	3	2		25	613		613	432		166	15	167	4,465	5,056	503	24	5,583	1,945	33,759	35,704
Incendiary	10	11	12	9	6	48	17,292	6,603	23,895	3,696		12,286	7,913	1,873	54,223	44,554	26,555	2,030	73,139	5,513	185,328	190,841
Public Works	4	2	1			7	97		97			97					145		145	160	312	472
Unclassified	3	2	1	1		7	151	131	282			151	131				1,379	1,000	2,379	157	2,214	2,371
Unknown	8	4	3	1	1	17	709	364	1,073	159		509	405	90	1,085	1,499	1,669	100	3,268	854	19,480	20,334
TOTALS	181	131	73	34	33	452	209,745	17,539	227,284	90,199	15	62,350	74,720	107,023	1,250,998	2,144,633	435,620	73,003	2,653,256	37,510	1,371,950	1,409,460

FIRES WITHIN AND WITHOUT FOREST RESERVES

Campers	68	20	10	6	3	107	7,350	54	7,404	3,530	55	2,603	1,216	4,039	40,022	69,546	17,978	5,084	92,608	7,058	130,651	137,709
Smokers	22	27	10	2	3	64	13,647	2,393	16,040	3,714		8,701	3,625	4,264	22,865	48,840	15,802	1,015	65,657	2,948	62,948	65,896
Settlers	18	20	24	8	9	79	5,794	7,624	13,418	1,833		3,514	8,071	337	18,242	13,459	9,050	4,890	27,399	3,135	70,787	73,922
Railway	14	11	1			26	51	13	64	8		40	16	4	139	236	60		296	264	548	812
Lightning	25	30	9	5	12	81	167,749	357	168,106	78,328		35,417	54,361	99,195	1,128,474	2,004,041	373,605	58,860	2,436,506	16,678	930,539	947,217
Industrial	17	6	3	2		28	614		614	432		167	15	167	4,465	5,056	519	551	6,126	1,973	33,800	35,773
Incendiary	10	11	12	9	6	48	17,292	6,603	23,895	3,696		12,286	7,913	1,873	54,223	44,554	26,555	2,030	73,139	5,513	185,328	190,841
Public Works	4	2	1			7	97		97			97					145		145	160	312	472
Unclassified	3	2	1	1		7	151	131	282			151	131				1,379	1,000	2,379	157	2,214	2,371
Unknown	8	4	3	1	1	17	709	364	1,073	159		509	405	90	1,085	1,499	1,669	100	3,268	854	19,480	20,334
TOTALS	189	133	74	34	34	464	213,454	17,539	230,993	91,700	55	63,485	75,753	109,969	1,269,515	2,187,231	446,762	73,530	2,707,523	38,740	1,436,607	1,475,347

SUMMARY BY DIVISIONS

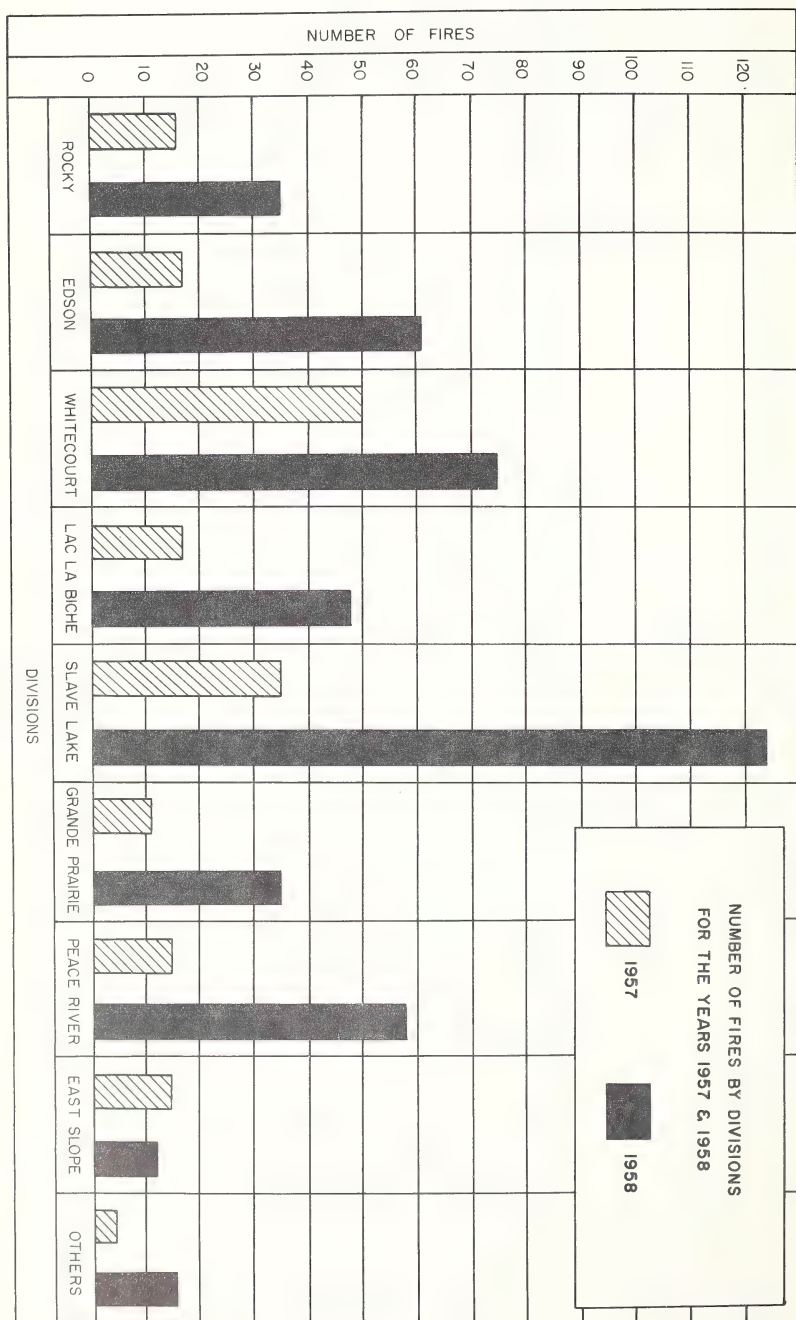
Forest Pro-tection Area	172	125	72	34	33	436	209,744	17,503	227,247	90,199	15	62,349	74,684	107,023	1,250,998	2,144,633	435,616	73,003	2,653,252	37,419	1,371,950	1,409,460
Outside																						
Reserves	9	6	1			16	1	36	37			1	36				4		4	91	54	145
Clearwater	4				1	5	3,672		3,672	1,501	40	1,123	1,008	2,946	18,517	42,598	10,971		53,569	953	62,631	63,584
Bow River	2		1			3	35		35			10	25				150		150	221	1,971	2,192
Crowsnest	2	2				4	2		2			2					21	527	548	56	55	111
TOTALS	189	133	74	34	34	464	213,454	17,539	230,993	91,700	55	63,485	75,753	109,969	1,269,515	2,187,231	446,762	73,530	2,707,523	38,740	1,436,607	1,475,347

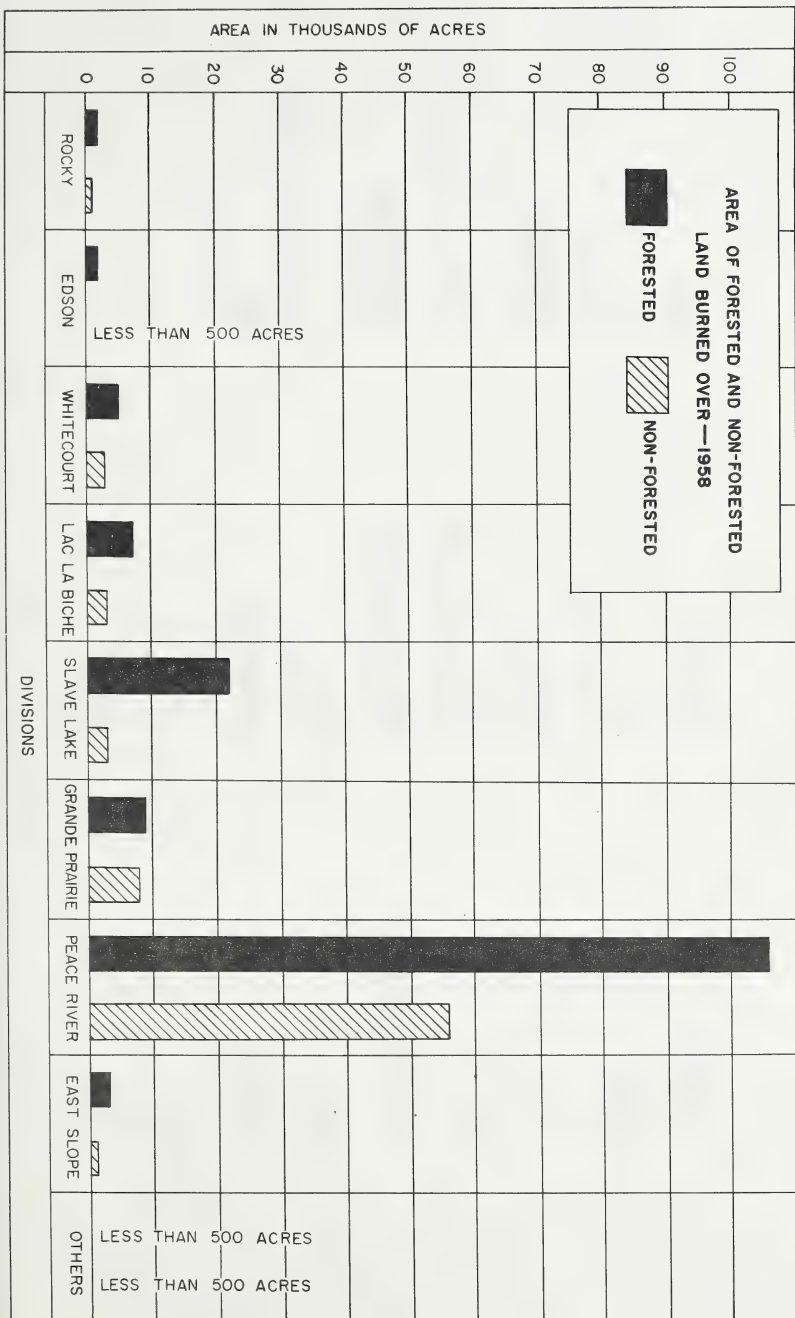
ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.

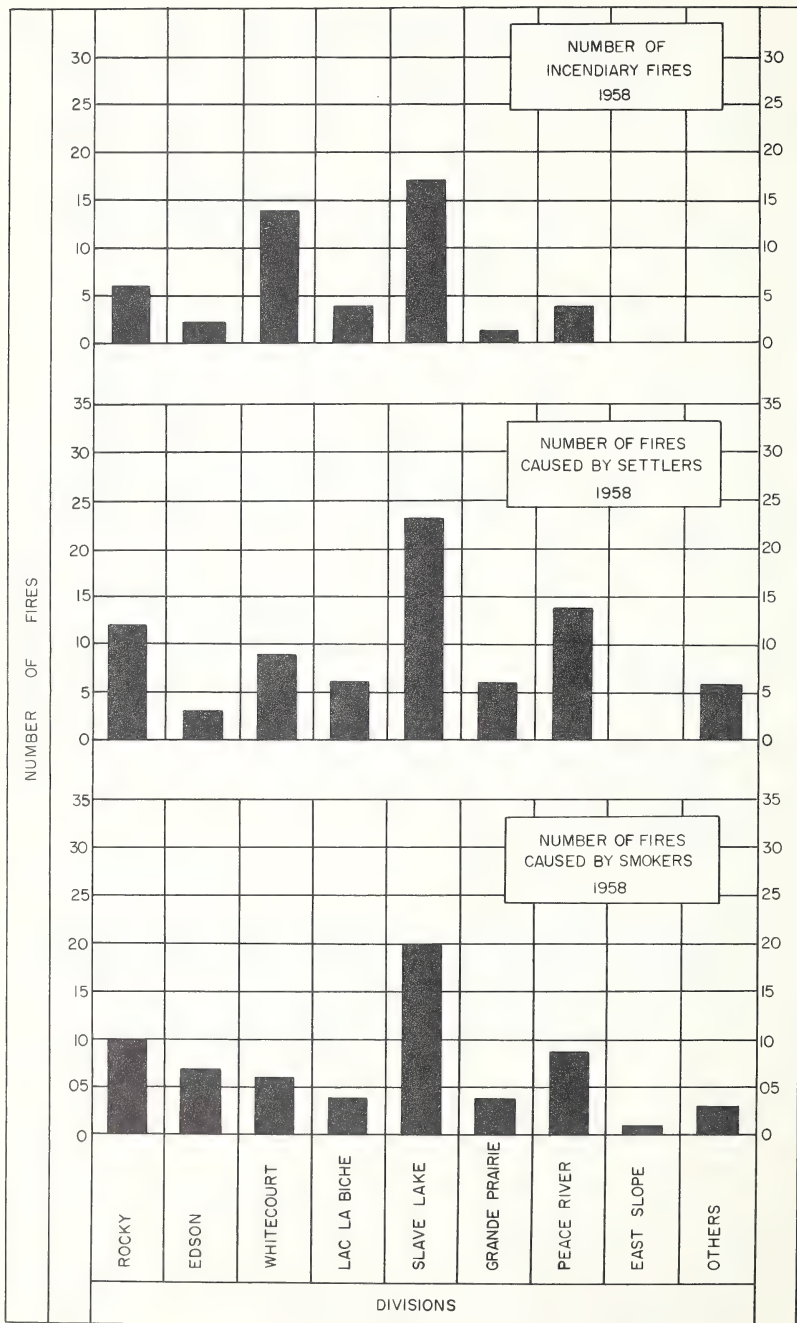
Inside & Outside Forest Reserves - Calendar Year 1958

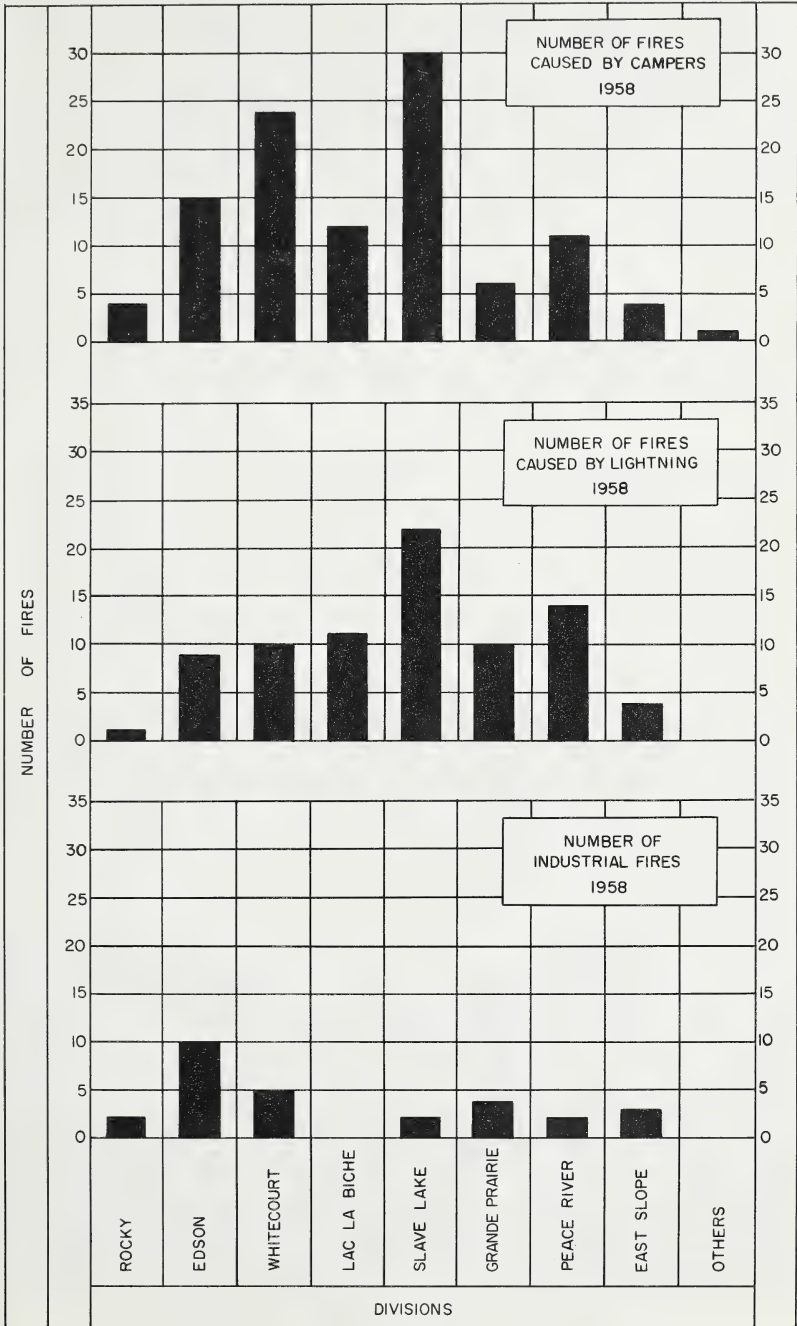
CAUSE	NUMBER							Damage \$	Area Acres	MONTHLY DISTRIBUTION												Fires Inside Forest Reserves		Fires Outside Forest Reserves	
	A	B	C	D	E	Total	P. C.			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	No.	Area Acres	No.	Area Acres
Camp-fires	68	20	10	6	3	107	23.1	92,608	7,404				1	20.	8	19	18	2	9	23	7	4	3,707	103	3,697
Smokers	22	27	10	2	3	64	13.8	65,657	16,040					26	4	6	11	3	8	5	1	1	1	63	16,039
Settlers	18	20	24	8	9	79	17.0	27,399	13,418				3	39	3	18	12	1	1	2			79	13,418	
Railways	14	11	1			26	5.6	296	64					8	14		1	2	1			26	64		
Lightning	25	30	9	5	12	81	17.5	2,436,506	168,106					3	5	33	37	3				4		77	168,106
Lumbering	17	6	3	2		28	6.0	6,126	614				5	8		5	4	2	2		2	3	1	25	613
Incendiary	10	11	12	9	6	48	10.3	73,139	23,895				1	26	2	7	3	3	4	2			48	23,895	
Public Works	4	2	1			7	1.5	145	97	1					1	3	1	1					7	97	
Unclassified	3	2	1	1		7	1.5	2,379	282					2	2		1	2					7	282	
Unknown	8	4	3	1	1	17	3.7	3,268	1,073					6	3	3	1		1	3			17	1,073	
TOTALS	189	133	74	34	34	464		2,707,523	230,993	1			10	138	42	94	89	19	26	35	10	12	3,709	452	227,284
Per Cent.	41	29	16	7	7		100			0.2			2.2	29.7	9.0	20.3	19.2	4.1	5.6	7.5	2.2	2.6	1.6	97.4	98.

FORESTRY









FORESTRY TRAINING SCHOOL

The eighth annual consecutive school for forest officers was held during the fall of 1958. The school term was 10 1/2 weeks duration and ran from September 29 to December 10. The curriculum has remained basically the same as in recent years. Of the 444 hours of classes, 21% was spent on Fire Protection, 25% on all phases of Forest Management, 10% on Surveying and 9% on Fish, Game and Enforcement. Subjects comprising the remainder of the course were grouped under 12 major subject headings.

The school remained in service in nature and all students were drawn from the field staff of the Forest Service. Of the 20 men who attended, 19 successfully completed the course. Four fish and game officers attended the ten day portion dealing with fish, wildlife and enforcement.

Buildings at Kananaskis were obtained again through the courtesy of the Federal Forestry Branch and the Forest Biology Laboratory.

Schools for towermen were held during the spring of 1958 for the fourth consecutive year. Three schools of three days each were held at various centres. A total of 74 men was trained of which 61% were new.

Other projects undertaken by the school staff included streamlining of the mathematics correspondence course, preparation of tower instructional material, various publicity projects and miscellaneous reports.



KANANASKIS SCHOOL SCENE

FOREST SURVEYS BRANCH

During the past fiscal year, this Branch has made considerable progress in continuing projects started during the previous years and has started to work on several new ones to further the Department's forest and forest land policies. Such projects are:-

Forest Protection Planning

The fire control planning program was continued and expanded with the cooperation of the Forest Protection Branch.

Lookout tower coverage maps were prepared for several new towers. This work was carried out by visual mapping from tower sites and by the use of panoramic photographs. The additional information necessitated a revision of the Province's composite lookout tower coverage map.

The air patrol plan, when put to use, was found to be in need of revision and new patrol routes were laid out to provide the pilots with more recognizable land marks along flight lines.

An Air Operations Manual was completed for each Forest Division. This manual was composed for forest cover maps which show all roads, seismic lines, air strips, fuel caches, lookout tower locations and lakes suitable for use by pontoon-equipped aircraft.

A road and trail classification program was started in cooperation with the Forest Protection Branch. A small field party classified roads and trails in a forest management unit in the Slave Lake Forest Division. Certain areas in the Peace River Forest Division were likewise surveyed. This information has been transferred to maps and is being incorporated into forest management plans.

Forest Management Planning

Forest Management planning was continued during the past year. A forest management unit was selected in the Slave Lake Forest Division for which a forest management plan is to be prepared. The preparation of this plan is far advanced and it will be completed in the coming year.

Three other management units in the Grande Prairie Forest Division have been field checked, anticipating management plan preparation. The ages of forest stands on these units have been determined, the productivity of the forest has been ascertained and road and trail accessibility of the units has been classified. The Branch used tracked vehicles to supplement trucks and jeeps in the field work, with the result that the area covered by the survey has been greatly extended.

The accompanying maps show the areas for which plans are being prepared.

The detailed forest inventory of the East Slopes Conservation Area was continued during the past year and during the summer months a survey party was in the field gathering forest information. The accompanying map indicates the progress made on this inventory project.

The preparation of maps for timber sale applications continued during the year. This work has decreased considerably with only 225 applications covering 800,000 acres being processed. The appended chart shows the volume of this type of work.

The cull survey program started during the previous year was carried on with the cooperation of the Federal Government. The objective of the survey is to determine the amount of defect in the Province's commercial timber species. The field work for an aspen-poplar survey was completed and an interim report has been published on the survey results. Plans for completing this project have been made and the white spruce species will be investigated in the coming year.

Forest Inventory Maintenance

The Provincial Forest Inventory was kept up-to-date during the past year. The policy of photographing major forest cover changes was continued.

The aerial photography program was continued but not completed and there is still approximately 1,200 square miles of contracted photography to be completed. The appended map shows the progress in this work.

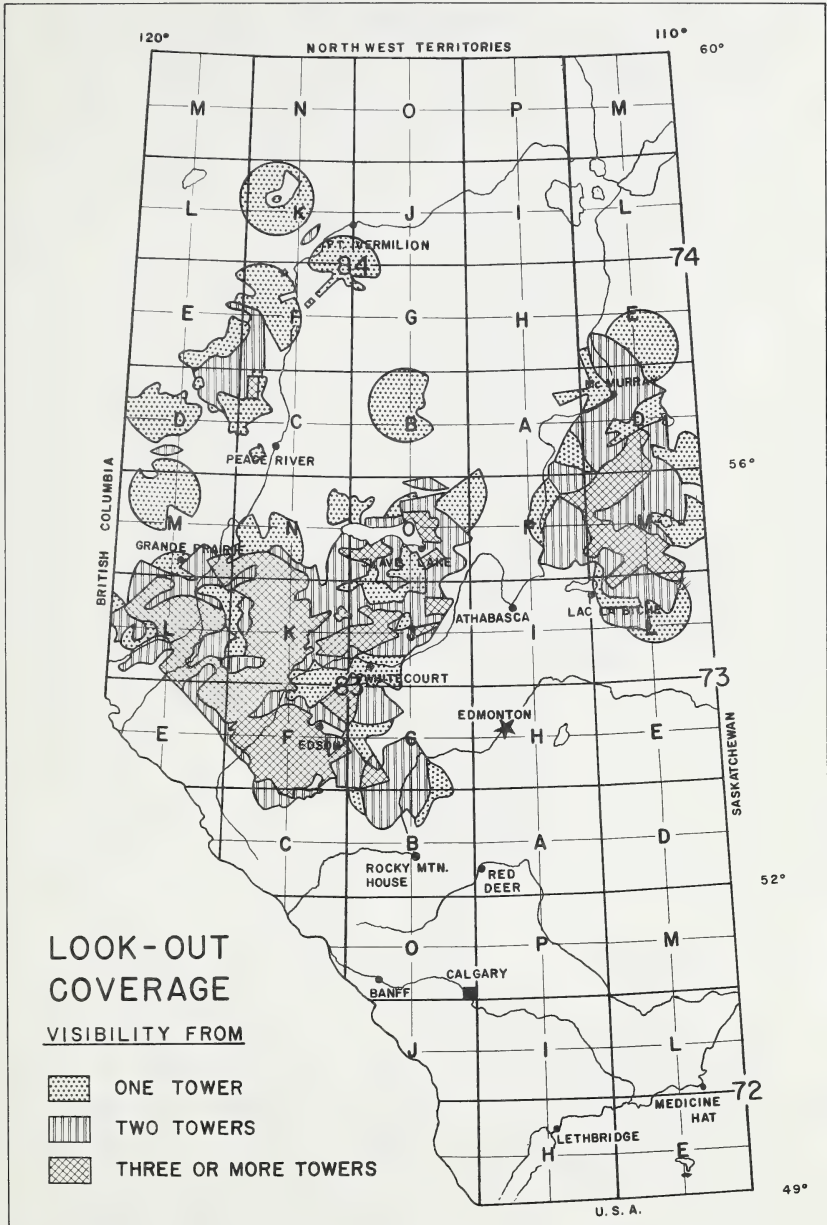
Two types and scales of lithographed maps are being produced. One map shows the forest cover (scale 1 inch = 2 miles) while the other only shows topographical detail (scale 1 inch = 4 miles). Maps outlining the progress of this program are attached.

Miscellaneous

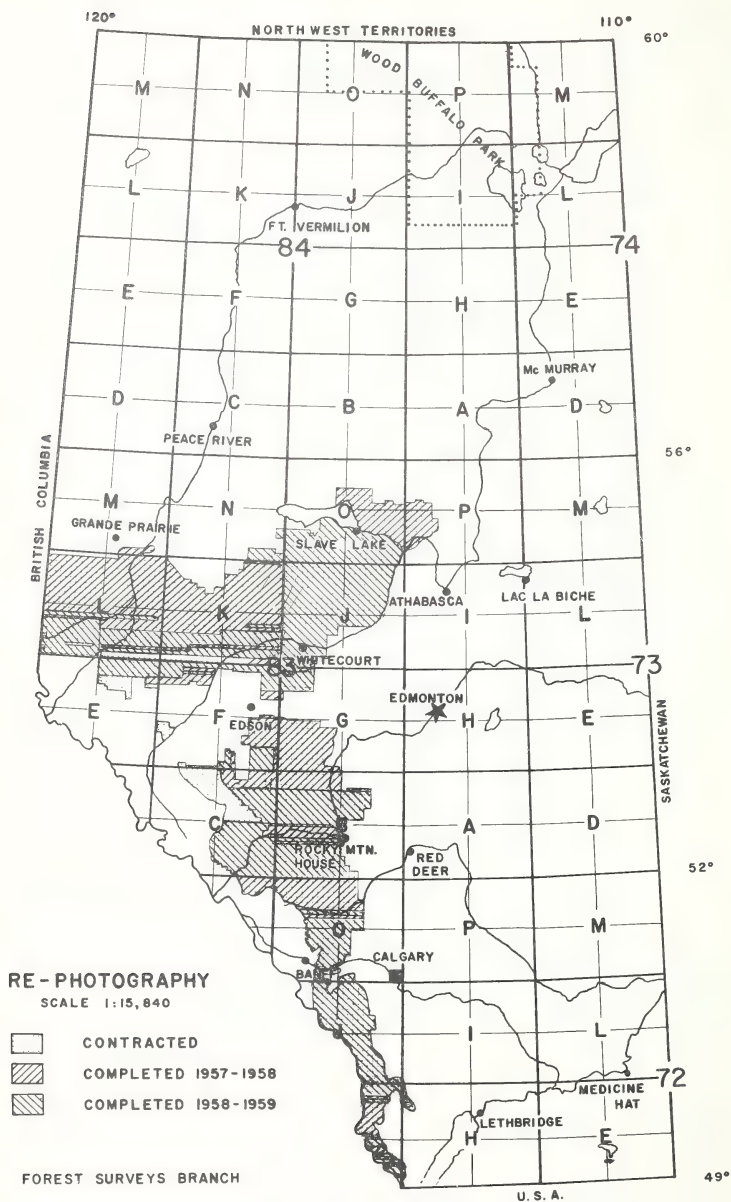
A new project was started during the year. This Branch now examines the exploration plans of major oil companies to see if certain sections of the Geophysical Regulations are being followed. The preliminary exploration plans are closely examined to determine to what extent the forest will be damaged by seismic operations. Suggestions for revised plans are forwarded to the companies if damage to the forest can be minimized. The final exploration plans, after seismic activity has taken place, are checked by the Branch in order to incorporate changes in roads, trails and timber land into our own maps.

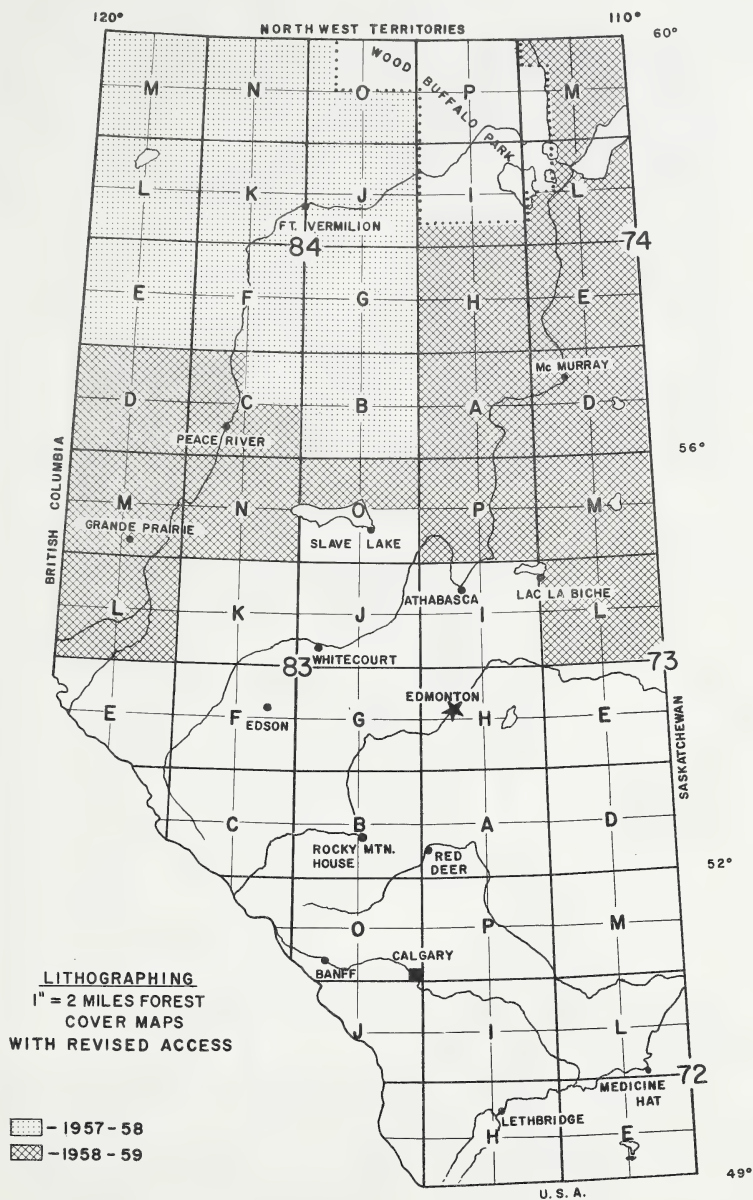
The Branch has furnished several outside organizations with forest resources data during the year.

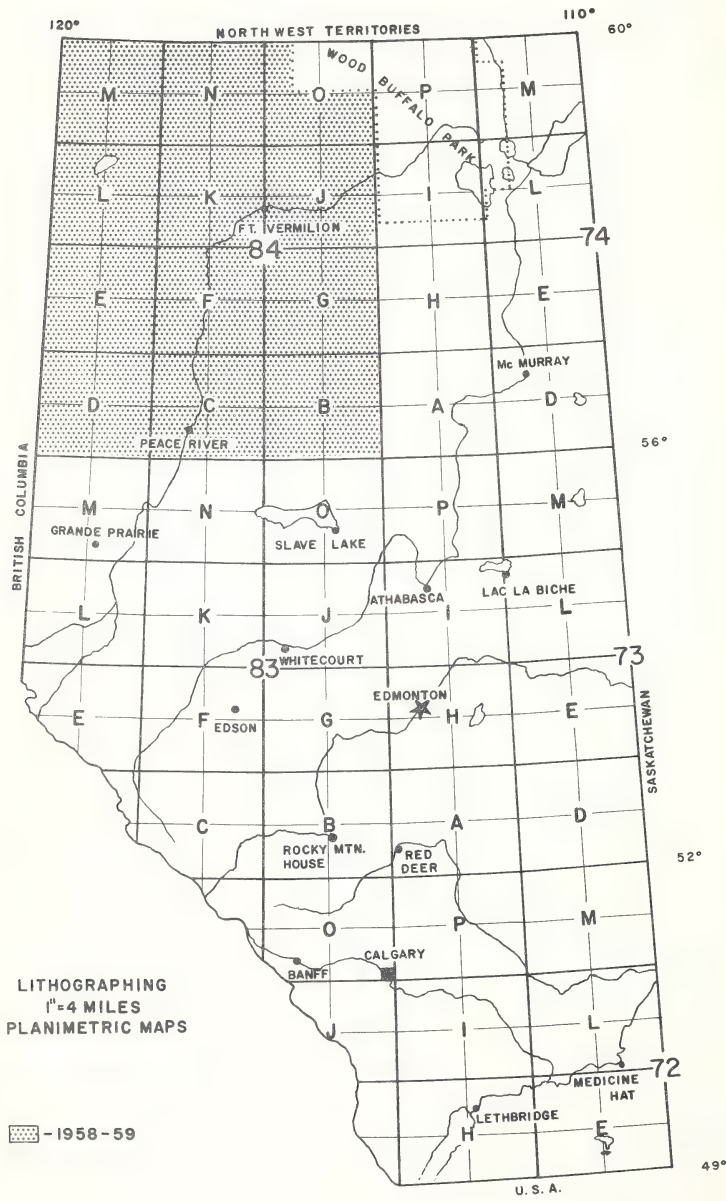
Three papers were presented by staff members at the Alberta Resources Conference. The papers reported on all aspects of the Provincial Forest Inventory. The Branch also provided sketching and drafting service to other Departmental Branches who contributed to the Resources Conference.

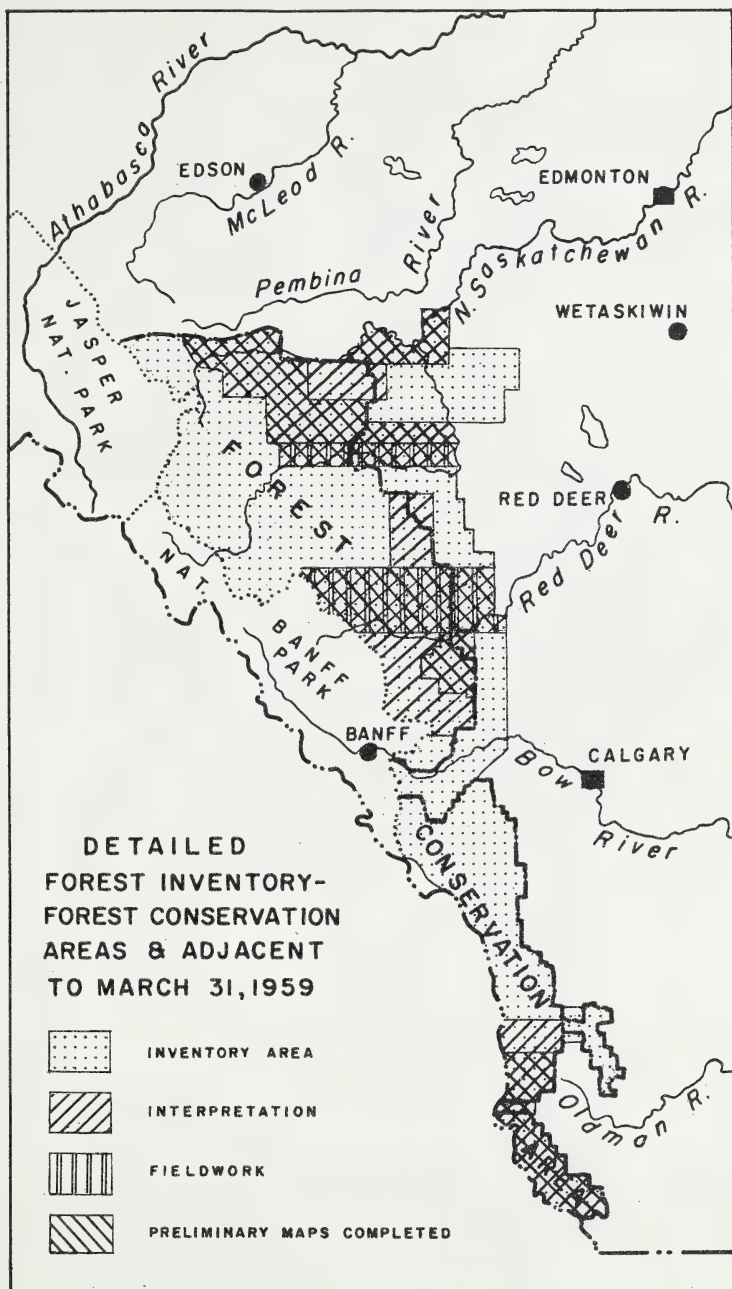


FOREST SURVEYS BRANCH SAMPLE OF PROTECTION PLANNING MAP

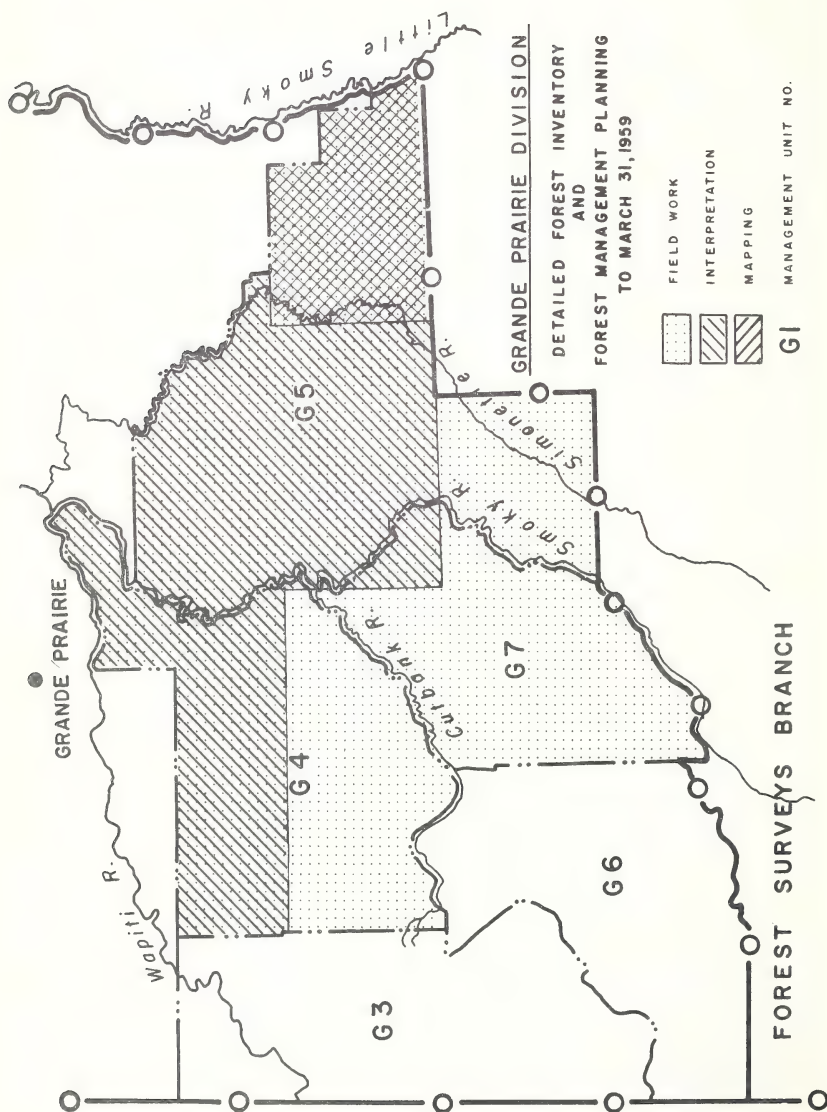


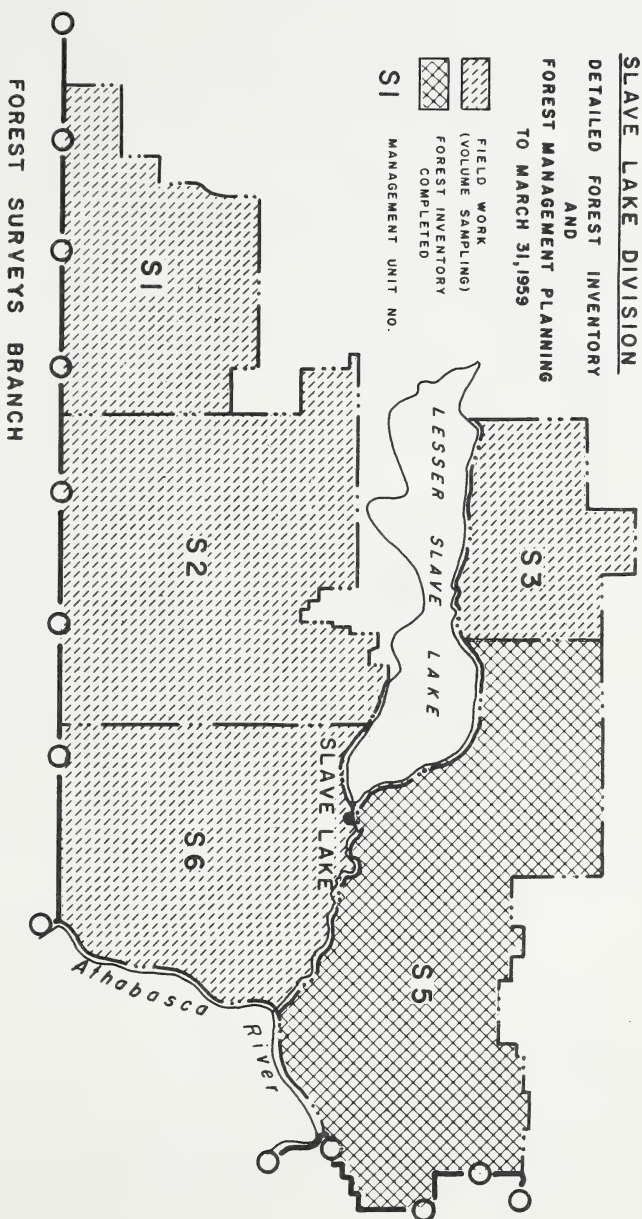


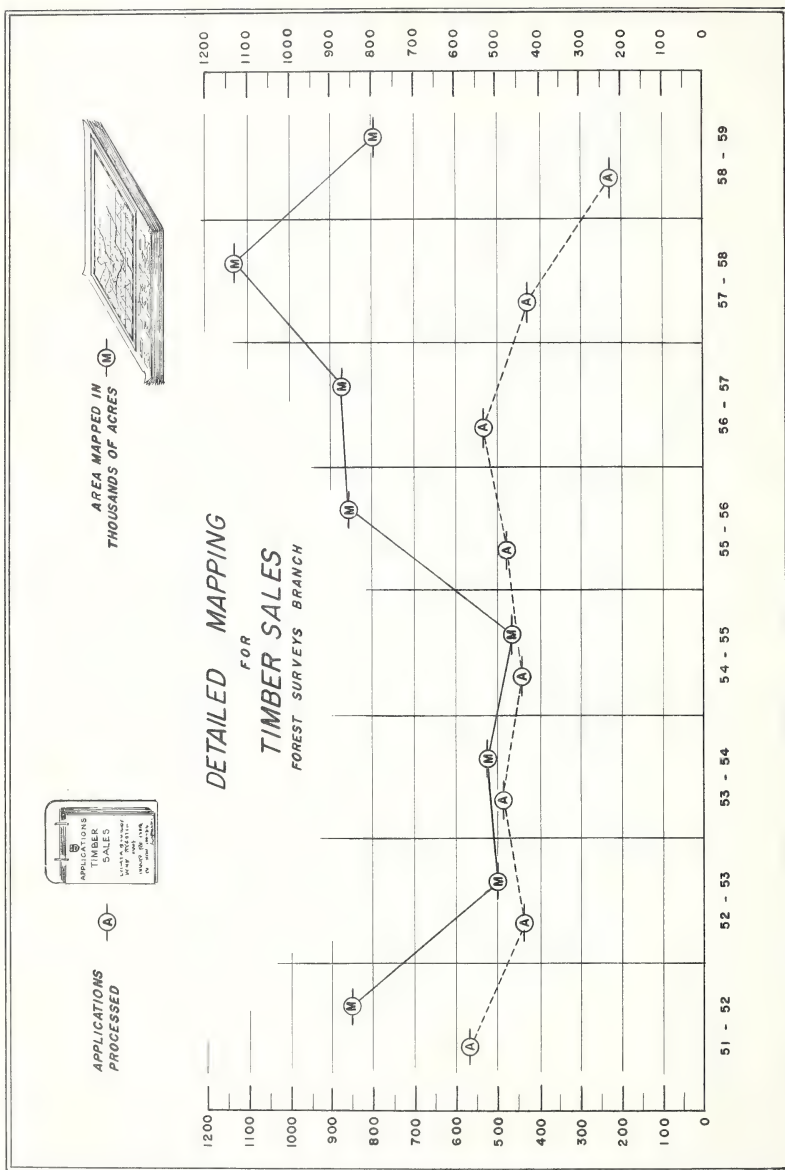




FOREST SURVEYS BRANCH







RADIO DIVISION

In covering the period under review by a report which is mainly statistical, it is desirable to mention non-statistical matters first, in case they become submerged in the main mass of facts and figures which must follow.

Personnel: This subject will be dealt with first because it is of prior importance. Previous reports have mentioned the difficulty experienced in recruiting and retaining suitable technical personnel, but during the year under review, these difficulties have, to a major extent, been overcome. Four new technicians have been recruited, oriented and given specific training on the equipment in use in this service.

There are now resident technicians in all Divisions except Rocky Mountain House and the circuit outage time due to equipment failure shows a marked decrease. This is mainly due to two factors; the decreased travel time requirement and the final realization of a long time goal, preventive maintenance, which had not been possible previously due to lack of personnel.

Considerable credit is due to these men, who keep the communications system operative, often with marked sacrifice of personal time and comfort.

Re-organization of the Edmonton repair depot and staff increases have streamlined the greatly increased work load at this point.

Equipment, Maintenance and Installation.

The installation of new and replacement radio and associated equipment accounted for a large number of man hours and miles travelled during the year. Following is a tabulation of the amount of equipment involved in either new or replacement installations.

New lookout stations	7
Replacement equipment at Lookout Stations	4
Replacement equipment at Headquarter Stations	3
Portable stations, new and replacement	60
Mobil station installations	21
Power Plants at lookout stations, new and replacement	16
Power plants at Ranger Stations	6

This brings the total number of radio stations in the Province to the following figures.

Headquarters stations	10
Lookout stations	82
Ranger headquarter stations	34
Mobil stations	45
Portable stations	284
Aircraft stations	2

A total of 457 units as at the end of April, 1959.

Service trips and service functions by Divisions are listed below.

	Tower Service	Mobil Service	Portable Service	Mobil Installations	Ranger Stns. Headquarters Service
Calgary					
Rocky & E. S.	70	23	72	13	100
G. Prairie	33	8	64		5
Peace River	28	10	67		5
Edson	46	13	52	3	20
Lac La Biche	21	9	57		1
Whitecourt	29	5	19		10
Edmonton	19	13	159	10	7
	246	81	490	26	148

Miles travelled by Employees of the Radio Branch in connection with the above are as follows:

Truck & Car 70,916, Air 1,390, Track vehicle 377, Train 1,871, Horse 90, a total of 74,644 miles.

In addition, the operating frequency of all equipment in the Lac La Biche Division was changed from 4250 Kc/s to 4990 Kc/s. This involved a frequency change in approximately 60 units, both transmitters and receivers.

A request was received from the Protection Branch of the Forest Service for a positive means of transmission identification from the towers i.e. an identification signal available to the listener which would indicate whether the transmission originated in the lookout cabin or from the top of the tower. It should be explained that at most lookout towers the radio equipment is installed in the living cabin at the base of the tower and can be controlled from either the cabin or the lookout cupola.

The requirement was fulfilled by providing an electronic device which places a short burst of noise on the carrier each time the press-to-talk button on the cabin microphone is pressed. As the noise is not present when the tower microphone is used, the listener can readily determine whether the towerman is in the cabin or the cupola, a fact which has had an important bearing on the efficiency of the fire detection system as a whole.

A remote relay station was constructed on the Burnt Hills north of Grande Prairie, consisting of an equipment house and two 150 foot steelmasts. This will act as a main automatic relay for the VHF circuit being installed in this Division.

Operations and Administration

The increased amount of traffic passing between the various Divisional offices and the Headquarters Administrative staff in Edmonton, together with the requirement for aircraft dispatching, caused the Department to include in its communication network a complete conference type teletype network, which was placed in operation just prior to the end of the period under review. A complete evaluation of this system will be made at the close of the coming fire season.

Local Divisional traffic in all Divisions continues to be handled exclusively by radio but interdivisional and administrative traffic and traffic pertaining to aircraft movement is handled either by teletype or radio.

To assist in coordinating fire suppression activity, particularly on large fires, portable VHF equipment has been provided to augment existing radio circuits in a Division. This equipment is supplied to operate on a separate channel apart from the normal Divisional frequency and thus fire suppression activities can be controlled without interference to existing Divisional Communications channels.

In addition, fifty obsolete portable transmitter receivers were converted for operation on a frequency of 2760 Kc/s. and were supplied to key towers and headquarters stations to provide a common channel for air-to-ground and interdivisional communication. Chartered aircraft are required to provide this frequency, which alleviates much of the difficulty previously experienced in the movement of charter aircraft between divisions. It is intended to provide a standby service at all lookout stations on this frequency in the future.

For traffic summary see Appendix A.

Other Activities:

The Radio Branch has assumed responsibility for the maintenance of all gasoline and diesel electric plants in use in the Forest Service. This includes plants at 18 Ranger Headquarters and 82 Lookouts, as well as 28 windcharger units at lookouts and 27 auxiliary gasoline operated charging units.

A policy has been initiated whereby plants up to 1 K.W. will be operated on naphtha gasoline; plants between 1 and 5 K.W. will be operated on propane; and plants above 5 K.W. will be diesel driven. This policy has shown already a marked decrease in both operational and maintenance costs.

For engine summary of lookout plants see Appendix A.

Several remote control systems for both MF and VHF equipment were developed and installed during the year. Such systems are usually initiated by a unique local requirement and are custom built to suit. Various systems, using both wire line and radio circuitry, are in use.

Instruction of technical personnel in the maintenance and use of new equipment continues to be a major project.

Included in the reorganization mentioned above was the installation of the operating and administrative staff, which necessitated a removal of the operating staff from the quarters previously occupied in the Natural Resources Building. Installation of a teletype circuit between the new operating point and the Administrative offices in the Natural Resources Building maintained the former rapid delivery of message traffic. Facilities to permit direct radio contact between Administrative officers and field staff will be added later.

A chart, Appendix B, shows the growth in numbers of portable units only, over a period of twenty years. This chart may be taken as representative of the growth of the communications system as a whole, in its attempts to keep pace with the rapid expansion of the Protection and Administrative Branches of the Service.

HEADQUARTER STATIONS

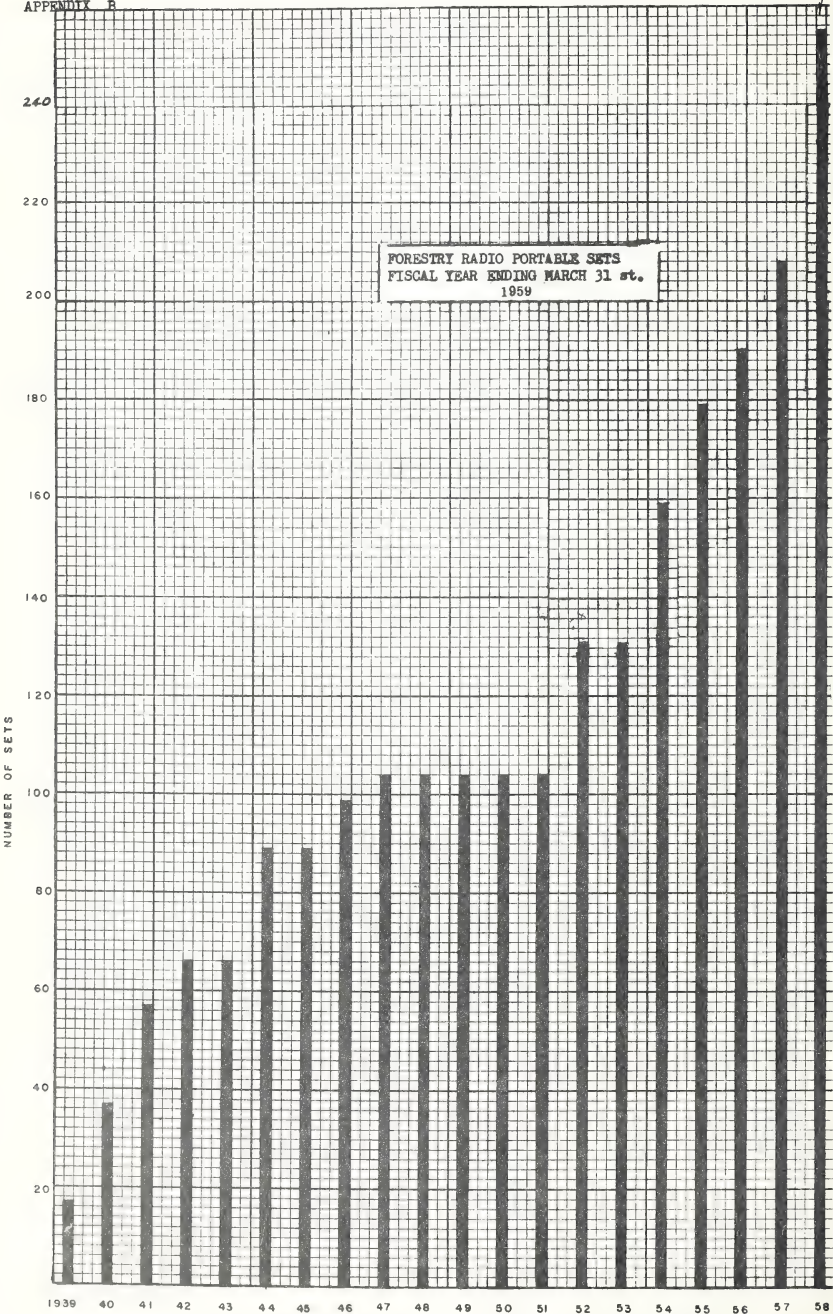
	Messages	Words
Calgary	11,335	263,851
Edmonton	23,419	582,992
Edson	4,769	101,915
Grande Prairie	6,196	152,820
Lac La Biche	6,082	164,164
Peace River	4,755	138,541
Rocky Mountain House	3,165	61,587
Slave Lake	5,399	142,466
Whitecourt	5,925	150,766
Total	71,045	1,759,102
Lookout Totals	21,138	443,221
Grande Total	92,183	2,202,323

SUMMARY OF THE YEAR'S OPERATIONS, 1958 - 59

LOOKOUT STATIONS

	Engine Time Hrs.	Gas Gals.	Oil Qts.	Messages No.	Words No.
Adams Creek	Portable			38	863
Algar	"			56	1,057
Athabasca	965	205	17	1,556	27,094
Bald Mtn.	300	93	5	340	5,668
Battle River	778	132	13	342	5,803
Berland	664	140	16	261	4,460
Brazeau	687	145	10	1,448	32,228
Buffalo Hills	831	161	13	273	5,272
Carrot Creek	416	75	11	450	13,716
Chinchaga	511	92	11	320	4,956
Clear Hills	941	217	16	337	5,540
Codesa	Portable			39	985
Conklin	478	160	12	52	1,423
Copton	Windcharger			38	1,049
Cowpar Lake	557	175	15	222	4,301
Doucette	1042	231	23	269	4,897
Eagle	Windcharger			1,107	25,017
Economy Creek	684	153	15	366	6,048
Goose Mountain	674	185	11	262	4,371
Heart Lake	565	128	10	62	2,742
Huckleberry	379	90	6	170	2,337
Kakwa	227	82	16	311	4,987
Lavett	716	132	15	585	9,758
May	466	117	9	43	1,277
Mayberne	635	153	10	454	8,193
Muskeg Mtn.	107	24	3	9	271
Naylor Hills	741	132	12	314	5,013
Nose Mountain	83	27	2	346	7,192
Notikewin	800	127	17	331	5,486
Obed	83	20	4	99	2,157
Pass Creek	252	49	5	425	8,389
Pelican	785	177	21	221	4,028
Pimple	Windcharger			416	8,145
Primrose	Portable			13	408
Puskwaskau	524	110	20	431	8,217
Round Hill	634	151	9	202	4,008
Salt Prairie	503	139	14	267	4,384
Sand River	790	157	13	43	1,275
Simonette	365	100	16	226	3,787
Snuff Mtn.	407	88	6	334	5,431
Stony Mtn.	673	194	10	35	1,324
Swan Dive	Windcharger			387	7,441
Sweathouse	675	148	14	287	4,938
Thickwood Hills	825	173	26	55	2,023
Tony Creek	649	93	15	278	4,886
Watt Mtn.	1,022	248	20	273	4,687
Whitecourt	916	205	17	2,769	73,081
Whitefish	789	183	20	210	3,427
White Mtn.	421	91	9	495	10,064
Whitemud	1,333	187	25	2,290	60,506
Winefred	Portable			187	4,494
Wolf Lake	159	47	4	253	4,001
Yellowhead	1,131	279	30	479	8,286
Metis Stations					
East Prairie				18	571
Big Prairie				43	1,259
TOTAL	27,183	6,015	586	21,138	443,221

APPENDIX B



FOREST MANAGEMENT BRANCH

Management for Sustained Yield

It is the policy of the Alberta Forest Service to implement as quickly as possible sustained yield management on forest lands held by the Crown. The meaning of "sustained yield" here is to manage the forest by using techniques and practices which are aimed toward continuous and regular production from any particular area and by individual tree species. In the practice of sustained yield it is usual to prepare and implement plans not only in the initial stage of assigning an area, but also in providing for the continuous management necessary to maintain the forest in a condition to satisfy these aims indefinitely. Some of these practices are:

Improving timber productivity through methods of cutting; establishing regeneration, reducing fire hazards, better utilization, etc.

With this in mind, agreements have been signed with new industries, such as the North Western Pulp & Power Ltd. of Hinton, whereby their pulpwood lease, since woods operations began, is being managed for sustained yield. Under such management, annual operating plans are submitted for the approval of the Director of Forestry by September 1st of each year and before implementation. These annual plans must fit into the overall long range plan for the lease area. Already under such management over 575,000 cords have been cut from the lease area; 176,000 cords of green pine and spruce in this fiscal year. Under this type of management also the ground on nearly 1,000 acres of the cut over areas has been scarified in order to have a receptive seed bed for a future pulpwood crop.

A somewhat similar agreement for utilizing forest resources for pulpwood has been signed this year with Albertawest Forest Products Corporation Ltd. for an approximate 2,600 square mile pulpwood lease in the Whitecourt Division and an equal area for a reserve for a future expansion of a mill they are planning on establishing at Edmonton.

Steps have also been taken during the year toward agreements of a like nature with concerns interested in other pulpwood leases of suitable timber within the province.

A particular feature of such agreements, once a company has established itself, is that the responsibility for management lies largely in its hands. Thus there is a minimum of participation by the Forest Service, making it possible for efforts to be diverted to better management of the much more extensive areas of forest land outside the lease areas. Of this, to date, there have been selected 56 management units averaging around 1,000 square miles each. Of these 42 have had temporary cutting control plans prepared whereby allowable annual cuts were calculated in accordance with rates of growth and rates of depletion and for the purpose of rationing the existing mature supply of saw-log material.

Reforestation and Research

One important phase of management work outside the lease areas and for saw-log utilization has been the setting up of an experimental pilot management area of part of one of the above mentioned management units in the Whitecourt Division. Here practical experiments are to be undertaken by the sale of a block of timber to one of the larger lumber operators which is to be cut for saw-logs. In the sale agreement provisions are made to handle the operation in such a way as to induce forest regeneration on the cut over areas. All the initial work of setting up this experimental pilot area is credited to the Forestry Branch of the Dominion Government.

Other research work for sustained yield undertaken by the Dominion Forestry Branch in cooperation with the Alberta Forest Service is a project in one of the management units of the Slave Lake Division where a study is being undertaken in seed bed preparation after a partial cut for saw-logs in mixed wood stands.

As well as the above a number of reports of investigations were requested and received from the Calgary office of the Federal Forestry Branch and Federal Biology Laboratory.

During the year plans were initiated to commence some seed bed preparation by scarification on non-regenerating cut-over old timber berths which have been partially cut for spruce. It is planned to do some 80 to 100 acres of this work in each of the seven forest divisions. In addition provisions have been made to collect some 1,000 bushels of white spruce cones to provide for regeneration projects in non-seed years.

Timber Administration

Much of the backlog of timber cruising required for timber sales in the forest divisions was caught up by the assistance made available by the employment of seasonal personnel, including university students, forestry as well as others, to assist the forest officers in the work.

There was a slight increase in the number of active timber berth and special timber permit operations on provincial lands during the year. An increase is also recorded in the number of miscellaneous timber permits issued.

Lumber production from provincial lands increased by 67,428.204 F.B.M. or approximately 22 1/2% over 1957-58.

The increase in the production of lumber may be partly attributed to an improvement in the export market which developed during the winter of 1958-59 through an easing of the recession in the United States.

The export of firekilled pulpwood fell off sharply as importers stock piled heavily in 1957-58.

Steps were initiated to offer for sale the smaller volume berths at all division offices rather than only at head office. This action was met with favour by the small operator in particular.

An area supporting substantially poplar in the Slave Lake Forest Division was set aside by Order in Council as a reservation for The Northern Plywood Ltd. of Grande Prairie. This reservation is similar to the step taken in 1956 for Western Plywoods (Alberta) Ltd.

The regulation rate of dues for the 1958-59 licence year was reduced by 25 cents per M.F.B.M. from the previous rate of \$6.00 per M.F.B.M. in line with recessed market conditions of the previous year.

SUMMARY OF TIMBER OPERATIONS ON PUBLIC LANDS

	Timber Berth & Special Permits		Miscellaneous Timber Permits		Total	
	1957-1958	1958-1959	1957-1958	1958-1959	1957-1958	1958-1959
Number of Active Operations	806	892	4,125	4,186	4,931	5,078
Christmas Trees			8,948	13,231	8,948	13,231
Fuelwood (cords)	2,410	1,334	9,588	11,997	11,998	13,321
Lath (pieces)	1,568,850	1,397,225			1,568,850	1,397,225
Lumber (F. B. M.)	285,165,910	348,972,426	14,426,338	18,048,026	299,592,248	367,020,452
Mine Ties (pieces)	11,713	7,574			11,713	7,574
Poles and Piling (lineal feet)	670,141	584,598			670,141	584,598
Pulpwood (cords) (450 F. B. M. to cord)	200,590	197,768	41,100	16,553	241,690	214,321
Plywood Logs - Poplar (F. B. M.)	5,258,772	11,324,734			5,258,772	11,324,734
Plywood Logs - Coniferous (F. B. M.)	2,987,410	6,311,673			2,987,410	6,311,673
Railway Ties (pieces)	1,585,833	958,655			1,585,833	958,655
Round Timber (lineal feet)	3,248,369	2,664,864	6,270,038	8,020,984	9,518,407	10,685,848
Fence Posts (pieces)			53,766	42,700	53,766	42,700
Shingles (pieces)			30,000	18,000	30,000	18,000
Timber Seizures					130	57
Custom Sawmill or Planer Permits (number)					223	188

The Annual Report for 1957-1958 reports fence posts as round timber

Fish and Game Administration

Report of the Fish and Game Commissioner

CURT P. SMITH

ANGLING

An increase of approximately eleven percent in the sale of angling permits over the 1959 level, indicates a continued rise in sport fishing interest. Improved access to streams in forested and mountain regions assisted to some extent in alleviating angler congestion on more accessible waters. However, the number of virgin lakes found suitable for the introduction of game fish continued to decline. Eight lakes which did not previously support fish species were stocked with trout. Perch were introduced into a number of others not considered suitable for trout production.

A reduced amount of spring run-off water combined with relatively dry summer conditions in some areas of the province allowed lake levels and late season stream levels to drop sharply. A continuation of these conditions could lead to a reduction in the number of pothole lakes suitable for trout stocking, while low stream levels may interfere with trout carrying capacities of certain waters.

The biological staff continued investigations on stream trout populations in areas of varied fishing pressures and also embarked more intensive management practices on pothole type lakes. The existing fish populations in three lakes were successfully eradicated with commercial fish toxicants, with a view to restocking these waters with trout and thereby providing more successful fisheries. The examination and stocking beaver dams which did not have trout populations or in which trout populations have declined was given increased consideration in the management program.

A new 230 volt D. C. electrofishing apparatus was purchased for use in stream fish population sampling. This unit is expected to be more effective than the 115 volt machine previously used for this purpose.

Trout stocking for the year was successfully carried out. Approximately one million more fingerling rainbow trout were stocked than in the year previous. A good carryover of yearling trout at the Raven rearing station was obtained. Yearling trout produced at the Raven station amounted approximately 7% of the entire trout plantings for the year.

The biological station at Gorge creek operated for the ninth consecutive year. Fishery research studies were carried out by three students under the direction of Dr. R. B. Miller. These studies were concerned with the effect of various types of hatchery diets on the survival, blood lactate levels and glycogen reserves of trout stocked in streams. Testing the influence of different types of diets was designed to carry previous research on bloods lactate levels and glycogen reserves a step further in determining the cause of mortality of hatchery trout. The study of the biology of blue grouse and mule deer were continued at the station and additional study of Columbia ground squirrels was begun.

A second permanent structure was established at the station dur-

ing the past summer. This building provides comfortable sleeping quarters for eight persons.

PRELIMINARY BIOLOGICAL SURVEYS AND
EXAMINATIONS MADE DURING 1958

ATHABASCA DISTRICT

Long Lake (32-71-24-W4)
Taylor Lake (20-59-23-W4)
Long Island Lake (63-25 and 26-W4)

BARRHEAD DISTRICT

George Lake (28 and 34-57-1-W5)
Sarah Lake (65-2-W5)

CALGARY EAST DISTRICT

Fyten Reservoir
Gleichen Reservoir (13-22-23-W4)

CALGARY WEST DISTRICT

Glenmore Reservoir
Bears paw Reservoir

CARDSTON DISTRICT

Small Beaver Lake (34-1-28-W4)
Pothole Coulee Creek (34-4-22-W4)

DIDSBURY DISTRICT

Peppers Lake (34-13-W5)
Phyllis Lake (17 and 20-36-7-W5)
Tay Lake (5 and 6-36-8-W5)
Innes Lake (27 and 28-32-2-W5)

EDMONTON DISTRICT

Lake Mere (32 and 33-53-1-W5)
Stevens-Wendell Lake (8-53-1-W5)
Islet Lake (51 and 52-20-W4)
Sandy Lake (55-1-W5)
Dechaine Lake (9-56-1-W5)

ENTWISTLE DISTRICT

Davidson's Lake (53-7-W5)

PINCHER CREEK DISTRICT

Oldman River Ponds (7-29-W4)

PONOKA DISTRICT

Stewart Lake (13 and 24-43-7-W4)

Unnamed Lake (28-41-2-W5)

VERMILION DISTRICT

Unnamed Lake (20-54-27-W4)

Unnamed Lake (2-52-19-W4)

Unnamed Lake (33-52-19-W4)

Unnamed Lake (23-53-12-W4)

1958-59

Prosecutions	196
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Confiscations	57
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STOCKINGS TO ANGLING WATERS 1958

Species	Number
Cutthroat Trout	51,000
Eastern Brook Trout	18,760
Loch Leven Trout	17,584
Rainbow Trout	2,716,334
Perch	506,009
Pickerel	6,440,275
Perch & Pickerel	10,000
Pike	15,093
Total	9,775,055

HUNTING

The year 1958 was a banner one for wildlife in Alberta. Wildlife numbers, sportsman interest, and government activity increased to new highs.

Ruffed grouse and sharp-tailed grouse hatches were generally excellent. Populations of these species in northern, foothills, and eastern parkland regions increased. Ruffed grouse particularly began to re-assume their former importance in hunters bags. Sharp-tailed grouse, while extremely plentiful in northern fringe areas and despite increased bag limits and seasons were harvested only lightly. The quest for au-

thentic recent true prairie chicken records continued undaunted although so far completely unsuccessful. It seems the pinnated grouse could be extinct in Alberta.

Dry weather and tremendous hunter numbers spoiled pheasant hunting in the E.I.D. for many. Bird numbers were again high. The overall kill was comparable but individual bags were lower.

Pheasants in the parkland continued to come back after the disastrous winter of 1954-1955. Populations in better habitat have almost completely recovered.

To supplement Alberta's huge wild pheasant population another 4,500 plus birds were raised in the pheasant hatchery at Brooks. Most were released in bunches of 100 in parkland sectors.

A new program, that of distributing day old pheasant chicks to private individuals, was initiated. Eighteen hundred and sixty-five chicks were sent out. Many were later released under government supervision.

Waterfowl numbers remained high and hunting success was generally excellent. Badomens were evident however. Drought conditions became severe in the southern prairie and moderate in the parkland.

Several waterfowl die-offs of considerable magnitude occurred. A few of the lakes affected were Lac La Biche, Hay Lake (near Edmonton) and King's Lake. Both algae poisoning and botulism were suspected.

Numbers of northern breeding geese seemed normal. Hunting conditions through increased hunter numbers and fewer water bodies deteriorated.

Breeding populations of large Canada geese continued to increase remarkably in southern prairie regions.

Good big game management came a step closer to reality during the year under review. Twenty-two management zones were incorporated. Seasons within these zones varied with the need for increased or decreased harvests. Season lengths varied from five months in elk damage areas to two days for cow moose.

In general elk numbers remained high and were unharvested. Warm dry weather brought about a fire closure in the foothills and a lowered kill. To compensate for this a highly successful cow elk season was held during February and March in the Ya-Ha-Tinda ranch area. The objective, to relieve elk grazing pressure, was attained.

Moose populations in the foothills showed signs of decay after two years of rapid growth. A substantial winter die-off occurred, attributable basically to poor range conditions, despite a liberal fall harvest of both cows and bulls.

Deer numbers continued to increase in some areas spectacularly.. White-tail deer in eastern parkland sectors abounded but went unhunted.

The more complicated seasons and increased licence sales produced the need for added hunter checking and enforcement activity. Additional personnel were hired to man checking stations along the foothills. In addition more permanent men were hired. At the end of the year the Fish and Wildlife enforcement staff numbered forty men.

Research activity by the biological staff also increased.

Aerial surveys of antelope, elk, deer and moose were completed.

Hunter success information was obtained from many areas. Game checks were conducted jointly with the enforcement staff.

Summer employees initiated long term research studies on muskrat and sharp-tailed grouse. Succeeding years should see explained the mysteries of rapid fluctuations within these two species.

Wildlife research work on mule deer and blue grouse was again carried on at the Gorge creek biological station.

High game populations, attractive seasons, good weather, and increased leisure time served again to cause a continued upward trend in licence sales. Resident big game licence sales reached 45,379. In addition 95,571 resident bird game licences were sold. Both figures represent all time highs.

TRAPPING

Wild fur in variety is abundant in this province and perhaps more so now than in the last ten or fifteen years. Trapping of wild fur on publicly owned lands in Alberta is almost entirely conducted under a system of registered traplines. It is also undertaken on privately owned land under a Resident Trapper's Licence which permits the land owner or occupant to trap fur bearing animals within the boundaries of his privately owned or occupied land. The system of registered traplines, trapping areas allotted to individual trappers, has contributed greatly to the maintenance of a constant fur supply by removing destructive trapping competition for pelts.

In the last few years the problem of the trapper has reversed from one of depleted fur supply to one of such low prices for his products that today, much fur remains unharvested. This is particularly true of the long haired variety of furs, such as fox, timber wolves, coyotes, skunks, etc. During the trapping season of 1942-43, a red fox pelt would bring \$1.70. During the 1943 season, ermine brought an average of \$2.37 a pelt, whereas in 1958-59, the sale of ermine would bring \$1.30 per pelt.

During the past few years coyotes and timber wolves have not been trapped because there was no market for this type of fur. Over this period there have only been four or five classes of fur having a good market value, such as mink, muskrat, ermine and squirrel. The trapper derived most of his income from these four classes of pelts with the possible addition of beaver and marten. Because of these low returns, many trappers did during the past ten years turn to other and more lucrative employment. Many of the trappers holding registered traplines would spend only sufficient time on their traplines to qualify for renewals, but would obtain work on construction crews or oil drilling rigs or any other type of work.

In order to obtain the best prices for his furs, the trapper must produce pelts which are acceptable to a very selective market. He must trap his fur when the pelts are at their best and he must pay particular attention to the cleaning and stretching of the fur. Both of these items have been a problem over the last few years, particularly among farmers and other land owners trapping fur bearing animals on their own land. Many of these trappers were inexperienced and made an inferior job of preparing the pelts for market. Attempts have been made to improve this situation by the distribution of information among both registered trappers and land owners, instructing them in handling and preparing fur. A distinct improvement is shown in the prices obtained during the last two or three years because of improved handling of pelts. The reason for low prices are, of course, world wide and beyond the scope of this report. It would appear that the constant promotion of Alberta fur on both domestic and world markets with particular emphasis on long haired fur would appear to be important to the industry.

It is interesting to compare the values of fur produced by the various provinces in relation to the number of pelts produced by each province. For instance, the value of wild fur produced in Ontario during the 1957-58 trapping season was \$2,713,488.00 for a total of 791,175 pelts, followed by Saskatchewan by \$2,139,296.00 for 1,203,895 pelts; followed by the Province of Manitoba of \$1,803,023.00 for 1,175,801 pelts followed by the Province of Quebec, with \$1,170,569.00 for 274,949 pelts followed by the Province of Alberta with \$1,102,503.00 for 1,267,218 pelts. It is noticeable that the Province of Alberta during the 1957-58 season produced the largest number of pelts from wild fur of any Province in the Dominion and ranks fifth in the order of money value obtained for this fur. This discrepancy arises from the fact that a large portion of Alberta fur is made up of muskrat and squirrel, whereas a large percentage of the fur in the Province of Ontario is made up of beaver pelts and other higher priced fur.

One of the brighter aspects of trapping in Alberta is the steady increase in the number of beaver pelts taken, both by registered trappers as well as private land owners. This province did produce during the trapping season of 1958-59 a total of 43,329 beaver pelts at an average of \$8.65 a pelt, whereas ten years ago only 10,380 beaver pelts were produced. Although Alberta does not at the present time lead the other Provinces in the total value for fur produced, Alberta has for many years

been a leading province in the number of pelts marketed and there is no doubt, that with an improvement in price for fur on the world market and attention to the proper preparation of pelts Alberta could be one of the leading fur producers in Canada.

ADMINISTRATION

During the year several additions were made to the staff employed by the Fish and Wildlife Division. On September the 1st A. H. Boggs transferred from the Forest Protection Branch and was located at Edson as an assistant in that district. J. J. McGrath transferred from the Forest Protection Branch on October the 1st to become Assistant Fish and Game Officer in the Vermilion district. M. L. Engels of the Department of Highways took over the position of Trapline Clerk on November 1st. On January 1st the Fish and Game Branch assumed the position of a separate Fish and Wildlife Division and Curt P. Smith formerly of the National Parks Branch, Department of Northern Affairs and National Resources was appointed Director of Fish and Wildlife. Miss J. M. Barton transferred from Public Lands to assume the position of Secretary to the Director.

The Fish and Wildlife Division wishes to express their appreciation to Mr. E. S. Huestis for his sixteen years of guidance and administration devoted to the development of this natural resource. We trust that the additional responsibilities in Forestry Branch will still allow him time for consultation and advice. The Division also wishes to thank the various R.C.M.P. detachments throughout the Province and Forestry personnel for their co-operation and assistance in enforcement and other duties related to the supervision of fish and wildlife.

The death of Dr. Richard B. Miller, University of Alberta Professor of Zoology in February was mourned throughout the Fish and Wildlife Service. For over twenty years this eminent scientist provided the principal guidance to Alberta's fisheries administration. Gratitude is herewith expressed for his splendid contribution to this work, mixed with sorrow over his premature departure.

GAME

COMPARISON OF THE NUMBER OF GAME LICENCES ISSUED

Kind	1955	1956	1957	1958
Residents' Bird Game Licences	63,220	72,518	83,079	97,571
Non Resident (Canadian) Bird Game Licences	398	406	345	544
Non Resident (Non Canadian) Bird Game Licences	863	1,048	1,020	1,113
Residents' Big Game Licences	24,858	27,650	33,268	45,379
Non Residents' (Canadian) Big Game Licences	13	10	14	11
Non Residents' (Non Canadian) Big Game Licences	131	159	132	186

GAME LICENCES

April 1st, 1958 to March 31st, 1959

Kind	Number of Licences	Fee	Total Amount
Residents' Bird Game Licences	97,571	\$ 2.50	\$243,927.50
Non Residents' (Canadian) Bird Game Licences	544	5.00	2,720.00
Non Residents' (Non-Canadian) Bird Game Licences	1,113	25.00	27,825.00
Residents' Big Game Licences	45,379	5.00	226,895.00
Non Resident' (Canadian) Big Game Licences	11	50.00	550.00
Non Residents (Non Canadian) Big Game Licences	186	100.00	18,600.00
Permit to Collect	23	FREE	- - - -
Taxidermists' Licences	23	5.00	115.00
Guide's Licences (Class "A" and "B")	202	2.50	505.00
Guide's Licences (Class "C")	15	1.00	15.00
Game Farms	38	5.00	190.00
Outfitter's Licences	39	25.00	975.00
Resident Trapper's Licences	3,102	3.00	9,306.00
Dog Trainers	1	25.00	25.00
Residents' Spring Bear Licences	159	5.00	795.00
Non Residents' Spring Bear Licence	3	25.00	75.00
Residents' Antelope Licences	2,481	5.00	12,405.00
Residents' Sheep and Goat Licences	772	10.00	7,720.00

BOUNTY ON COUGARS - SEASON 1958-59

Cougars killed from April 1st, 1958 to March 31st, 1959

20	Cougars at \$15.00	\$ 300.00
15	Cougars at \$40.00	600.00

ALBERTA FUR PRODUCTION - SEASON 1958-59

(WILD FUR)

	Total Number: of Pelts	Average Value of Pelts	Total Value of Pelts
Badger	60	\$.60	\$ 36.00
Beaver	43,329	8.65	374,795.85
Ermine	81,894	1.30	106,462.20
Fisher	154	14.41	2,219.14
Silver Fox	42	5.20	218.40
Cross Fox	1,125	1.65	1,856.25
Red Fox	4,518	1.70	7,680.60
White Fox	11	24.55	270.05
Blue Fox	21	4.00	84.00
Lynx	1,676	13.17	22,072.92
Marten	245	9.61	2,354.45
Mink	7,078	16.78	118,768.84
Muskrats	519,062	.72	373,724.64
Otter	105	26.17	2,747.85
Jack Rabbits	13,585	.29	3,939.65
Skunk	21	.63	13.23
Squirrel	547,553	.40	219,021.20
Coyote	1,114	2.11	2,350.54
Timber Wolves	627	17.81	11,166.87
Wolverine	5	15.13	75.65
	1,222,225		\$1,249,858.33

CONVICTIONS UNDER THE GAME ACT 1958-59

Number of Convictions _____ 659

CONFISCATED FURS

Amount Realized from the sale of confiscated fur
during the period April 1st, 1958 to March 31st, 1959 _____ \$ 756.12

TRAP-LINE REGISTRATIONS

Number of Registered Trap-Lines and Revenue
April 1st, 1958 to March 31st, 1959
2451 at \$10.00 _____ \$ 24,510.00

FUR DEALERS' LICENCES, ETC.

Kind	Number	Revenue
Resident Fur Dealers' Licences to carry on business in a city, and elsewhere than in a city _____	192	\$ 1,920.00
Non Resident Fur Dealers' Licences to carry on business in the Province _____	2	200.00
Resident Travelling Fur Purchasing Agent's Licences _____	10	250.00
Furriers' Licences _____	23	230.00
Tanners' Licences _____	5	50.00

FUR TAX REVENUE

Amount Collected _____ \$ 65,140.46

MUSKRAT AND BEAVER

Muskrat Permits issued free
(Damage to Farmers' Lands, Roads & Irrigation) _____ 80

Muskrat reported taken _____ 16,107

Beaver Permits issued free
(Damage to Farmers' Lands, Roads & Irrigation) _____ 184

Beaver reported taken _____ 412

COMMERCIAL FISHERIES ADMINISTRATION

Report of the Superintendent of Commercial Fisheries

H. B. WATKINS

The commercial fishing industry realized an exceptional season during the fiscal year under review. Although Fisherman's Licence sales were considerably lower than in previous years, production figures again soared to unparalleled heights. Exports during the year showed little or no increase, indicating that a greater percentage of Alberta produced fish is being utilized within the Province. This favorable development can possibly be attributed to improved processing facilities together with extreme market fluctuations.

Administrative changes became necessary with the loss of Mr. E. S. Huestis as Fish and Game Commissioner. The Commercial Fisheries Branch was organized under the direct supervision of Mr. H. B. Watkins as Superintendent. Other activities in the field of fish and game were placed under the administration of the Fish and Wildlife Division. The above changes also necessitated a complete division of office and field personnel and equipment.

The Commercial Fishing Investigation Committee, formed to investigate all phases of the commercial fishing industry in the Province of Alberta, filed a report early in 1958. This committee, comprised of three members, namely: Mr. James Paul, chairman, Mr. H. B. Watkins and Mr. J. Ferguson, made an extensive study of the industry with regard to management, production economic aspects and marketing outlets. Conclusions of this survey indicate that orderly production through restrictions on the fishery, together with the introduction of modern processing and freezing plants would serve to enlighten the present unfavorable situation by providing a more constant supply of fish to the markets, both local and export.

Localization of commercial fishing licences has been introduced with a view to controlled production and increased individual net returns. This system has been set up in two areas having clearly defined boundaries and affecting a total of nine lakes. The fisherman, to be eligible for a licence, must reside within the boundaries of the area concerned and must have held a licence on lakes therein for a specified period. Similar plans have been in effect for a number of years on Newell, McGregor and Sturgeon Lakes and appear to tend definitely toward the desired results.

Subject to certain terms and conditions an agreement was formulated between the Minister of the Department of Lands and Forests and the Alberta Fish Products Limited, granting exclusive commercial fishing rights on Winefred, Touchwood and Marie Lakes for specified quantities and species of fish. The agreement in no way interferes with the fishing rights of anglers, Indians and local fur farmers.

The above was executed primarily to facilitate establishment of an industry to prepare fish and fish products for market. However, it is expected that varied benefits will also be derived therefrom. Construction

of adequate processing and storage plants, together with minimum production limits of whitefish, pickerel, pike and perch, on each of the said lakes, should tend to regulate marketable supplies with respect to value and quantity and thus provide a more constant flow to consumer outlets.

Utilization of large fish resources now unexploited, except for local and animal food purposes, will become possible by establishment of approved processing plants.

The untimely death of Dr. Richard B. Miller is noted by the Director of Fish and Wildlife on page 68. The Commercial Fisheries Branch also wishes to acknowledge Dr. Miller's splendid services. Many of the lake management techniques in force today were developed and tested under his guidance; indeed, the total Canadian inland commercial fishing industry has profited from his knowledge and ability.



**MODERN FISH PACKING PLANT
LOCATED AT WINEFRED LAKE, ALBERTA**

LICENCES AND PERMITS

Kind	1954-55	1955-56	1956-57	1957-58	1958-59
	No.	No.	No.	No.	No.
Angling Permits (Season)	29,979	36,472	100,883	118,323	129,167
Angling Permits (Limited)	3,709	3,103	- - -	- - -	- - -
Domestic Licences	179	137	159	93	133
Fisherman's Licences	5,764	5,365	6,352	7,987	6,415
Commercial Licences	398	250	156	180	184
Fish Dealer's Licences	125	124	142	127	99
Motor Boat Licences	44	39	74	44	- -
Total	39,198	45,490	107,766	126,754	135,998

COMMERCIAL PRODUCTION OF FISH

Species	1954-55	1955-56	1956-57	1957-58	1958-59
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
Whitefish	3,471,372	3,614,007	3,689,193	3,813,128	4,182,729
Trout	35,410	15,906	17,214	17,664	23,762
Pike	394,796	426,683	460,915	554,958	690,657
Pickrel	718,696	618,440	195,251	268,594	436,304
Perch	217,220	119,232	43,363	49,815	47,141
Tullibee	3,991,690	3,753,209	4,074,803	4,644,004	5,560,153
Mixed Fish	392,542	537,489	9915,302	950,627	1,210,904
Total	9,221,726	9,084,966	9,396,041	10,298,790	12,151,650

	Weight Lbs.	Value to Fisherman \$	Value as Marketed \$
Totals for year 1954-55	9,221,726	720,447.94	1,199,871.23
Totals for year 1955-56	9,084,966	751,574.96	1,291,567.86
Totals for year 1956-57	9,396,041	794,648.83	1,289,254.68
Totals for year 1957-58	10,298,790	798,127.75	1,321,179.77
Totals for year 1958-59	12,151,650	980,525.06	1,553,410.24

FISH EXPORTED FROM ALBERTA 1958-59

Species	Canadian Markets	United States Markets
Whitefish	46,025	2,283,896
Trout	- - -	2,700
Pickrel	1,590	241,909
Perch	540	28,641
Pike	7,488	130,840
Tullibee	105	47,791
Ling	- - -	- - -
Total	55,748	2,735,777

COMMERCIAL CATCH OF FISH IN POUNDS 1958-59

Lake	No. of Licences	Mixed	Tullibee	Perch	Pickarel	Pike	Trout	Whitefish	Total
Amisk Lake	6	—	15,900	18	—	698	—	16	16,632
Athabasca Lake	38	—	—	—	250,248	55,370	—	—	305,618
Base Lake	—	—	—	—	—	—	—	420	420
Battle Lake	295	1,500	—	—	50	1,100	—	26,000	28,650
Beaver Lake (66-13-W4)	119	2,276	—	—	—	—	—	14,257	16,533
Birch Lake (75-9-W4)	3	—	—	—	—	—	—	1,620	1,620
Bistcho Lake (121-6-W6)	4	—	—	—	1,066	1,500	—	7,023	9,589
Blackett Lake (66-11-W4)	10	—	650	4,673	3,725	4,597	—	—	13,645
Bourque Lake	3	—	—	—	—	1,037	—	3,987	5,024
Buck Lake (46-6-W5)	456	650	—	75	100	600	—	67,783	69,208
Buck Lake (65-17-W4)	19	—	—	12,235	—	9,865	—	620	22,720
Buck Lake (61-19-W5)	82	—	—	—	1,816	625	—	20,418	22,859
Burnt Lake (67-3-W4)	3	—	150	—	100	146	—	400	796
Burnt Lake (95-25-W4)	—	—	—	—	—	—	—	1,847	1,847
Calling Lake	84	155,775	163,105	575	1,400	25,429	—	43,597	389,881
Chip Lake	4	7,915	—	—	—	12,740	—	—	20,655
Chipewyan Lake	4	2,122	—	—	—	372	—	49,967	52,461
Christina Lake	8	—	28,800	—	308	—	—	25,944	55,063
Chump (Johnson) Lake	2	—	3,350	567	587	1,680	—	—	6,184
Cold Lake	365	72,730	800	—	8,740	24,350	9,381	366,150	482,151
Crooked Lake (63-22-W5)	1	—	—	2,950	—	—	—	—	2,950
Elinor Lake	47	—	—	—	204	—	—	15,882	16,086
Ethel Lake	37	204	5,778	—	261	855	—	6,450	13,548
Fawcett Lake	92	—	12,278	—	1,195	352	—	29,727	43,552
Fickle Lake (52-19-W5)	26	—	—	—	—	—	—	3,347	3,347
Fork Lake	92	—	—	—	—	—	—	30,727	30,727
Francis Lake (66-25-W4)	5	—	—	—	—	6,000	—	—	6,000
Frenchman Lake	16	—	—	4,096	—	13,670	—	—	17,766
Frog Lake	3	8,680	—	—	300	9,520	—	9,820	28,320

COMMERCIAL CATCH OF FISH IN POUNDS 1958-59

Lake	No. of Licences	Mixed	Tullibee	Perch	Pickereel	Pike	Trout	Whitefish	Total
Marie Lake (65-2-W4)	3	—	—	—	450	—	—	37,000	37,450
Martin Lake (76-4-W5)	11	—	195	—	—	3	—	4,743	4,941
Mistahae Lake (79-2-W5)	1	—	—	—	—	2,772	—	—	2,772
Moose Lake	58	—	9,515	—	18,603	39,918	—	31,234	99,270
Muriel Lake	274	—	—	—	—	1,809	—	96,106	97,915
McGregor	126	—	—	—	—	11,000	—	225,100	236,100
McLeod Lake (61-11-W5)	4	—	—	—	—	45	—	1,799	1,844
Namir Lake (96-17-W4)	4	—	—	—	—	—	5,250	—	5,250
Newell Lake	177	1,500	—	—	—	51,000	—	271,200	323,700
North Wabasca Lake	21	1,480	24,000	—	1,127	14,505	—	35,861	76,973
Orloff (Island) Lake	18	—	3,916	—	1,723	6,675	—	8,371	20,685
Peerless Lake	1	—	—	—	—	103	9,006	930	10,039
Pigeon Lake	410	1,900	—	300	780	2,200	—	219,010	224,190
Pinehurst Lake	121	29,350	108,000	—	840	13,680	—	21,505	173,375
Primrose Lake	21	1,200	450	—	2,377	2,656	—	6,595	13,278
Rattlesnake Reservoir	20	—	—	—	2	1,220	—	10,071	11,293
Rock Island Lake (75-22-W4)	17	205,000	2,000	—	23,430	—	—	2,430	232,860
Round Lake (90-4-W5)	2	—	—	—	—	—	—	15,124	15,124
Royemma Lake (73-1-W4)	2	—	—	—	—	—	—	4,371	4,371
Sander Lake (80-2-W5)	1	—	—	—	—	—	—	—	—
Sandy Lake (69-14-W4)	2	—	—	—	—	1,000	—	—	1,000
Sandy Lake (79-22-W4)	17	60	2,236	368	16,091	152	—	13,182	32,089
Sherburn (Grassy) Reservoir	123	700	—	—	30	700	125	27,455	29,010
Shining Bank Lake	23	—	—	—	103	1,095	—	7,338	8,536
Snipe Lake (71-19-W5)	6	—	—	—	—	30,000	—	—	30,000
Spencer (Mosquito) Lake	153	—	—	—	850	1,380	—	118,800	121,030
Square Lake	15	300	50,000	5,000	—	5,000	—	—	60,000
Sterner Lake (74-5-W4)	9	—	—	—	—	116	—	12,490	12,606

COMMERCIAL CATCH OF FISH IN POUNDS 1958-59

Lake	No. of Licences	Mixed	Tullibee	Perch	Pickereel	Pike	Trout	Whitefish	Total
Sturgeon Lake	14	—	—	—	—	—	—	42,717	42,717
Sucker Lake (71-13-W4)	2	—	—	860	—	420	—	—	1,280
Touchwood Lake (67-10-W4)	6	70	—	—	—	200	—	10,010	10,280
Travers Reservoir	26	—	—	—	—	14,000	—	31,500	45,500
Wabamun Lake	977	35,368	—	—	—	56,526	—	250,280	342,174
Whitefish Lake (62-13-W4)	129	—	111,870	717	2,499	—	—	14,780	129,866
Williams Lake (14-20-W4)	65	—	—	—	—	3,000	—	85,200	88,200
Winefred Lake	12	3,652	—	—	14,533	23,625	—	84,605	126,415
Wolf Lake	16	800	800	—	200	18,476	—	8,284	28,560

QUANTITIES AND VALUE OF FISH CAUGHT AND MARKETED

Species	Period	Weight (lbs.)	Value to Fishermen	Value as Marketed
Whitefish	Apr. 1/58 to Sept. 30/58	1,391,200	\$ 174,968.03	\$ 323,773.29
	Oct. 1/58 to Dec. 31/58	1,245,667	176,535.22	288,814.07
	Jan. 1/59 to Mar. 31/59	1,545,862	292,870.87	400,486.86
			\$ 644,374.12	\$ 1,013,074.22
Trout (Lake)	Apr. 1/58 to Sept. 30/58	11,262	2,028.60	3,902.16
	Oct. 1/58 to Dec. 31/58	- - -	- - -	- - -
	Jan. 1/59 to Mar. 31/59	12,500	5,200.00	5,725.00
			7,228.60	9,627.16
Pickeral	Apr. 1/58 to Sept. 30/58	345,989	21,333.30	81,839.53
	Oct. 1/58 to Dec. 31/58	53,695	6,809.31	14,985.75
	Jan. 1/59 to Mar. 31/59	36,620	4,400.57	11,071.38
			32,543.18	107,896.66
Pike	Apr. 1/58 to Sept. 30/58	166,765	7,454.07	14,036.79
	Oct. 1/58 to Dec. 31/58	215,809	14,473.62	26,421.89
	Jan. 1/59 to Mar. 31/59	308,083	21,851.67	36,269.29
			43,779.36	78,727.97
Tullibee	Apr. 1/58 to Sept. 30/58	4,114,036	153,913.13	209,911.98
	Oct. 1/58 to Dec. 31/58	990,409	41,758.15	61,063.45
	Jan. 1/59 to Mar. 31/59	455,708	20,106.06	29,003.60
			215,777.34	299,979.03
Perch	Apr. 1/58 to Sept. 30/58	17,821	1,037.92	2,941.60
	Oct. 1/58 to Dec. 31/58	17,916	1,442.74	3,239.12
	Jan. 1/59 to Mar. 31/59	11,404	1,262.47	2,241.85
			3,743.13	8,422.57
Mixed Fish (Ling, Suckers)	Apr. 1/58 to Sept. 30/58	382,662	6,570.46	6,957.48
	Oct. 1/58 to Dec. 31/58	84,710	2,656.45	2,856.63
	Jan. 1/59 to Mar. 31/59	743,532	23,852.42	25,868.52
			33,079.33	35,682.63

Technical Division

Report of the Director of the Technical Division

H. SOLEY

During the fiscal year under review legal descriptions were prepared for 855 notifications covering 320,077.939 acres of land for which certificates of title were issued in the Land Titles Office. The previous year 755 notifications were issued covering an area of 166,342.179 acres.

It should be noted that the number of notifications exceeded last years total by 100 and the area patented increased by 153,735,760 acres. The large increase in acreage patented is attributed to the fact that notifications in favor of the Minister of Lands and Forests were issued to create certificates of title in order that pipe line financing might be facilitated. The area patented to the Minister of Lands and Forests is shown in the table hereunder.

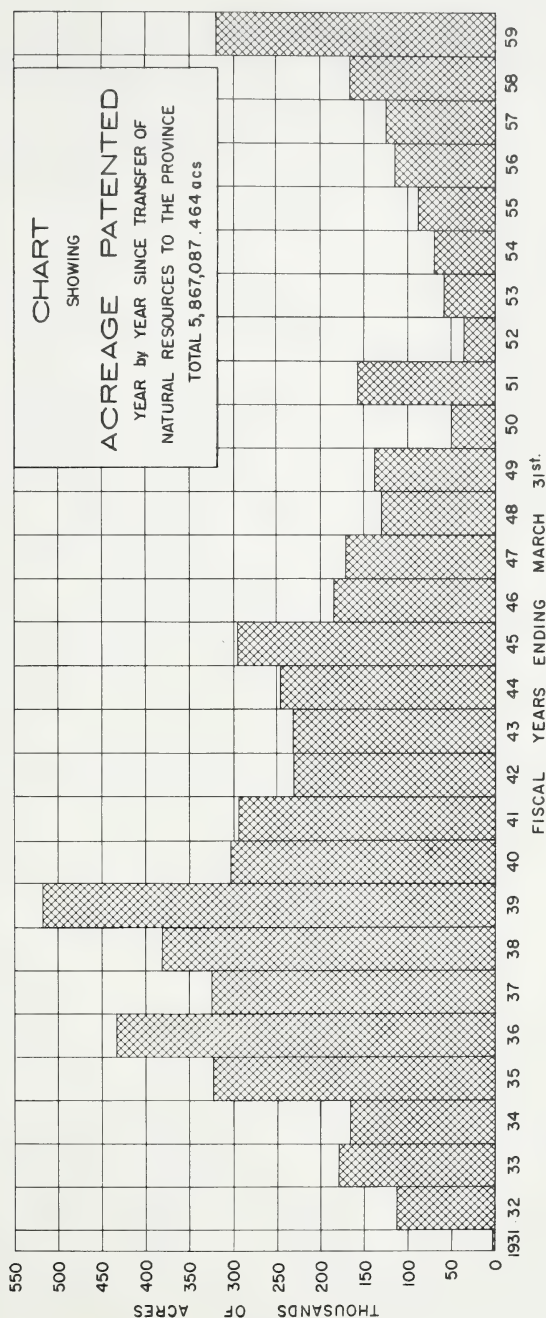
Hereunder is a schedule of the various notifications issued for the fiscal year ending March 31st, 1959.

NOTIFICATIONS ISSUED DURING FISCAL YEAR

April 1st, 1958 to March 31st, 1959

(Surface rights only)

Classification	Notifications	Area
Homesteads	332	76,740.77
Sales	232	17,887.65
School Land Sales	194	36,463.599
Transfer of Administration and Control	4	1,777.79
Release of Habendum clause	6	14.00
Notifications to Minister of Lands and Forests	66	168,283.39
Exchanges of Land	9	8,189.23
Special Grants and Free Grants	7	507.15
Homestead Sales	1	160.00
Rectification of Titles	4	10,054.36
Total	855	320,077.939



NUMBER OF SALES IN SUBDIVISIONS WHICH ARE INCLUDED
IN THE 232 NOTIFICATIONS REFERRED TO ABOVE

Subdivision	Notifications	No. of Lots	No. of Blocks
Canmore, 1095 F	98	139	18
Whitecourt, 3746 K.S.	4	4	2
Minnehik, 2115 K.S.	4	4	2
Shepard, 4729 L	3	37	6
Pincher Creek, 460 B	1	14	
Lodgepole, 3504 K.S.	4	4	2
Jarvie, 1308 C.L.	1	2	1
Walsh, 3644 B	1	1	1
Lodgepole, 3504 K.S.	1	1	1 (1.17 acs)
Little Smoky River, 1296 K.S.	1	1	1 (1.39 acs)
Fox Creek	1	1	1 (1.83 acs)
Total	119	208	35

Area not stated in these 119 notifications - 116 sales in subdivisions
3 sales

119

Total number of notifications in which area stated - 736

Total number of notifications - 855

LAND SETTLEMENT SURVEYS

No lands were surveyed for settlement purposes by this Department during the fiscal year as there remains sufficient surveyed land to satisfy the demands for settlement.

MISCELLANEOUS SURVEYS

The demand for commercial and cottage development properties bordering rivers, lakes, new highways, etc. has remained constant and as in the previous year numerous surveys were undertaken to provide building lots, details of these surveys are as follows:

Three Sisters Subdivision

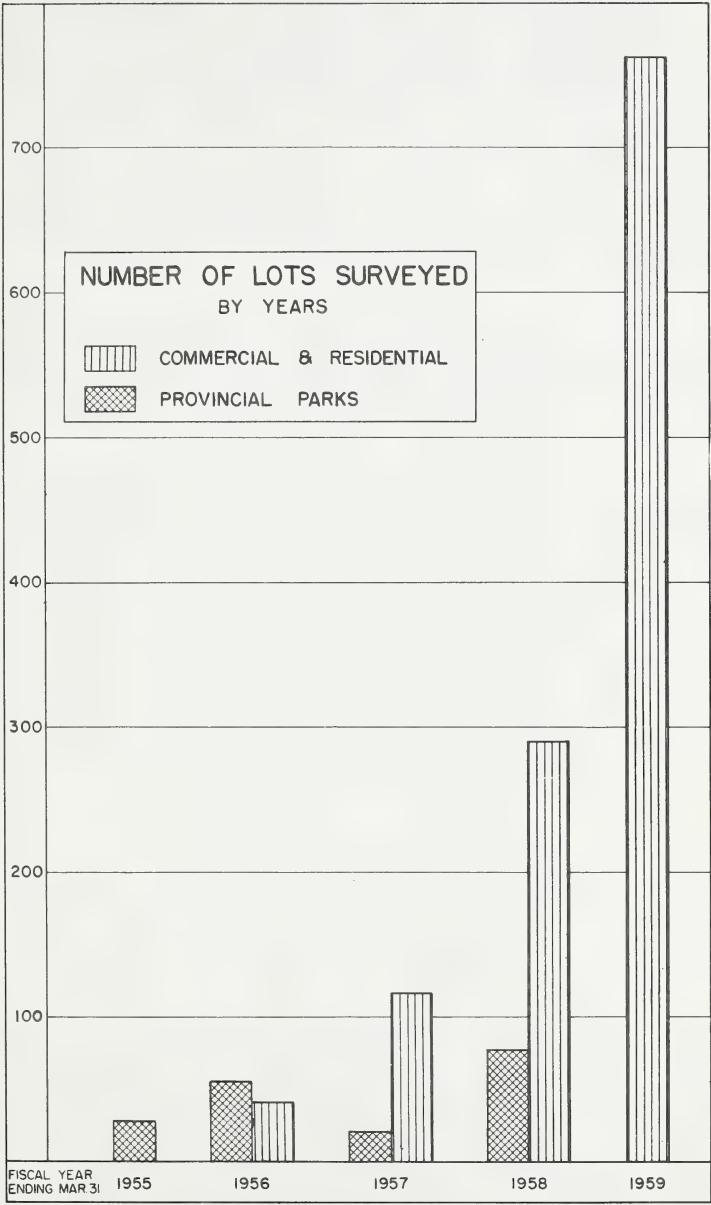
15 lots were surveyed for commercial sites on the new highway No. 1, East of the Town of Canmore.

Iosegun Lake Subdivision

This is a recreational subdivision surveyed at Iosegun Lake, North of the Whitecourt-Valleyview Highway in the vicinity of Fox Creek. 112 lots were made available.

Gregg Lake Subdivision

A recreational subdivision to provide cottage sites was surveyed at Gregg Lake in Township 53, Range 26, West of the 5th Meridian. 29 lots were made available.



Rock Lake Subdivision

A survey was made on the North Shore of Rock Lake in Township 52, Range 2, West of the 6th Meridian, to provide building sites in this scenic mountain area. 51 lots were surveyed.

Long Lake Subdivision

286 lots were surveyed at Long Lake to take care of the demand for cottage development sites in this area which lies North and East of the Town of Newbrook.

Addition to Harvie Heights Subdivision

As a result of the popularity of the Harvie Heights Subdivision which lies on the North side of Highway No. 1 just East of the Banff Park Gates, an additional 134 lots were surveyed.

Thunder Lake Subdivision

A survey was carried out on the North East shore of Thunder Lake in the Barrhead area to provide building lots for recreational purposes. 109 lots were surveyed.

BOUNDARY SURVEY

Eastern Rockies Forest Conservation Area

It is anticipated next spring that an inspection will be carried out and a resurvey, if necessary, undertaken to replace survey posts of the above boundary. A detailed summary of the progress will be set out in next year's annual report.

RESTORATION SURVEYS

The restoration survey season commenced in the month of June in the Peace River Country with the restoration of survey monuments in the newly surveyed areas of Townships 84 and 85, Ranges 11 and 12, West of the 6th Meridian. Due to the extremely dry spring, transportation was not a problem and the party was able to proceed with work in the Peace River country with conventional vehicles.

At the conclusion of work in the Peace River country the party returned to the area North of Lesser Slave Lake to complete surveys begun the previous year which were terminated when the cold weather set in the previous fall. Work in this general area continued through the end of August after which restoration work was carried out in Townships 65 and 66, Range 4, West of the 5th Meridian.

An investigation was made into the activities of the various oil companies who had conducted operations over the lines restored and accounts were submitted to the various companies concerned in the operations in the following amounts:

Hudson's Bay Oil and Gas Company	\$	441.54
British American Oil Company		885.98
Texas Pacific Coal & Oil Company		451.64
Texaco Exploration Company		327.02
Canadian Seaboard Oil Company		2,763.18
Pan American Petroleum Corporation		11,666.76
Total	\$	16,536.12

During the past seven years 2,805 survey monuments have been restored and/or re-established and the sum of \$145,280.96 has been received from the various member companies of the oil industry who were adjudged responsible for the destruction of these monuments.

This restoration year to all intents and purposes brings the restoration survey program to an end as no large areas of work exist to be completed. The restoration of monuments will be confined to isolated areas of destruction as reported by the forestry field staff and our own land inspectors and survey monument inspector.

PLANS OF SURVEY

The year under review in this report was characterized by a great increase in the number of plans submitted for examination and filed in this Division in order that the rights of the applicants filing the plans could be established on Crown lands. This increase was particularly noticed in the number of survey plans covering pipe line rights-of-way and plans of well sites, battery sites, etc. the rights on the Crown lands being acquired through mineral surface leases, etc. Brief details are as follows:

- 219 - survey plans covering pipe line rights-of-way affecting Crown lands, were received from the various oil companies and filed in accordance with their pipe line agreement applications and right-of-entry applications.
- 53 - transmission line rights-of-way plans received from the major power companies and rural electrification associations were filed in conjunction with their easement applications.
- 5 - irrigation plans covering canal rights-of-way and reservoir sites affecting Crown lands were deposited in our records.
- 47 - survey plans of general surveys affecting Crown lands were filed.
- 58 - subdivision and parcel plans checked in which there was no crown land included.
- 120 - plans of survey covering surveyed roadways affecting crown lands were received from the Department of Highways, Municipalities and Counties. The usual reservations were entered in the department's records against all crown lands affected and the plans filed.

- 53 - plans of survey covering access roadways used by various oil companies in reaching their operations were received and recorded in this office.
- 197 - plans of survey covering wellsites, battery sites, access roadways and flowline rights-of-way were received from the various oil companies and filed in conjunction with their mineral surface lease applications.

TITLES ACQUIRED IN THE NAME OF THE CROWN

Certificates of Title in the name of the Crown were acquired as follows:

20 quarter sections through purchase by the Department of Agriculture for inclusion in the Rannock Community Pasture. These lands are to be administered by the Department of Lands and Forests.

7 quarter sections of land were acquired through purchase by the Department of Agriculture for inclusion in the Minburn Community Pasture.

Portions of 2 quarter sections and 1 subdivision lot were purchased for the Forestry Branch.

Part of 1 quarter section was purchased for the Fisheries Branch.

The opening paragraphs of this report mention that a large land area was patented during the fiscal year to the Minister of Lands and Forests to create titles in the Land Titles office in order that the registration of pipe line mortgages might be accomplished. This was necessary so that the various pipe line companies could finance this stage of their operations. During the fiscal year some 66 notifications were forwarded to the Registrars of the two registration districts covering an area of 168,283.39 acres of land. Titles were created covering these areas in the Land Titles Office.

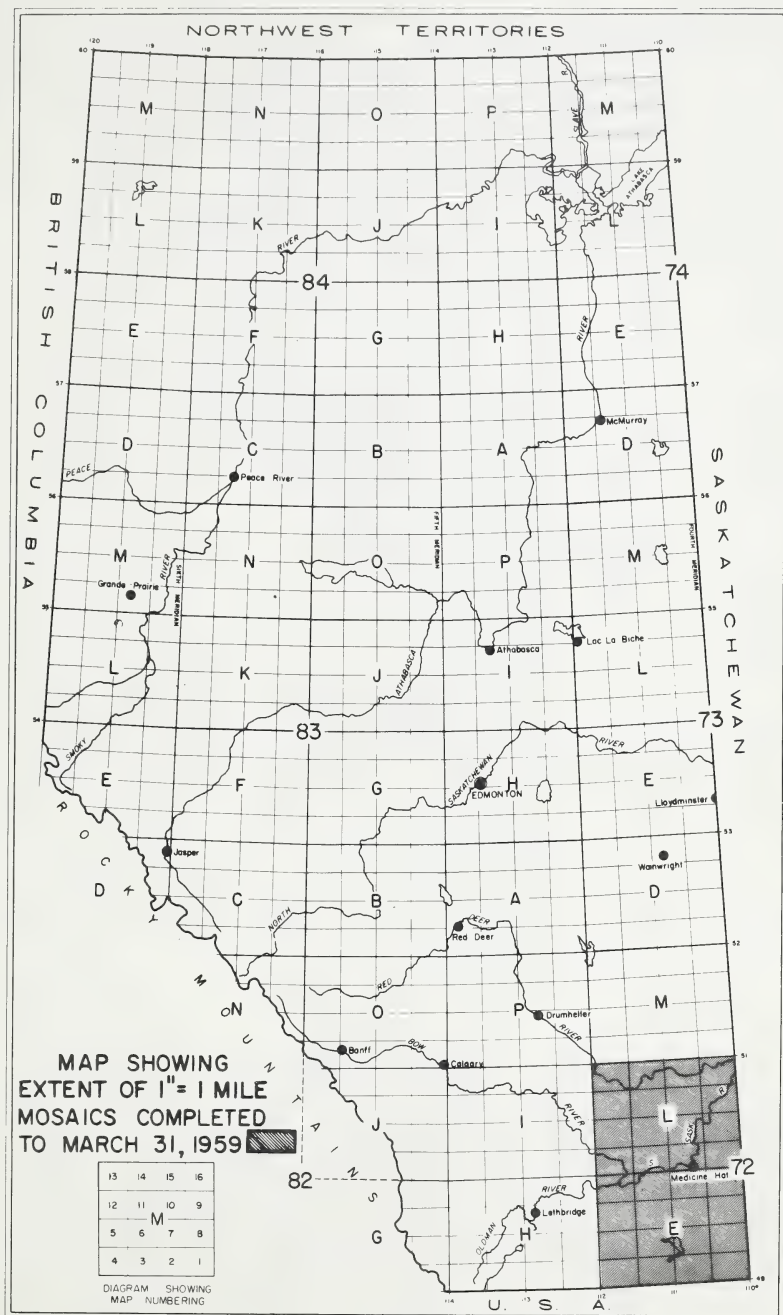
Exchanges of Land:

31 quarter sections were acquired through exchanges of privately held land for Crown land.

AERIAL PHOTOGRAPHY

Aerial Photographic Library:

The number of contact aerial prints produced during the fiscal year amounted to 61,177. This included photography at scales of 1" = 1320' and 1" = 3333'. The total number of prints produced by our aerial photographic library since 1950 amounts to 520,629.



Aerial Photographic Surveys Act

This fiscal year 27 licences were issued compared with 29 licences last year. A total of 145 licences have been issued since the inauguration of the Aerial Surveys Act in April, 1951.

Photographic Enlargements

There was a sharp decrease in the number of enlargements undertaken this year. A total of 325 enlargements were made as compared with 576 last year.

Mosaics

Sixty mosaics were undertaken during the fiscal year and of these 32 were completed and reproduced on a scale of 1" to 1 mile. These were compiled for the Research Council of Alberta and it is our intention to entirely mosaic the Province at a scale of 1" to 1 mile. The Zeiss Seg V photographic enlarger is now being used and some 4,697 semi-controlled aerial photographic prints were printed on this machine.

Nine mosaics of various areas in the Province were undertaken for Government and outside agencies covering a total of 1,876 square miles.

Film Processing

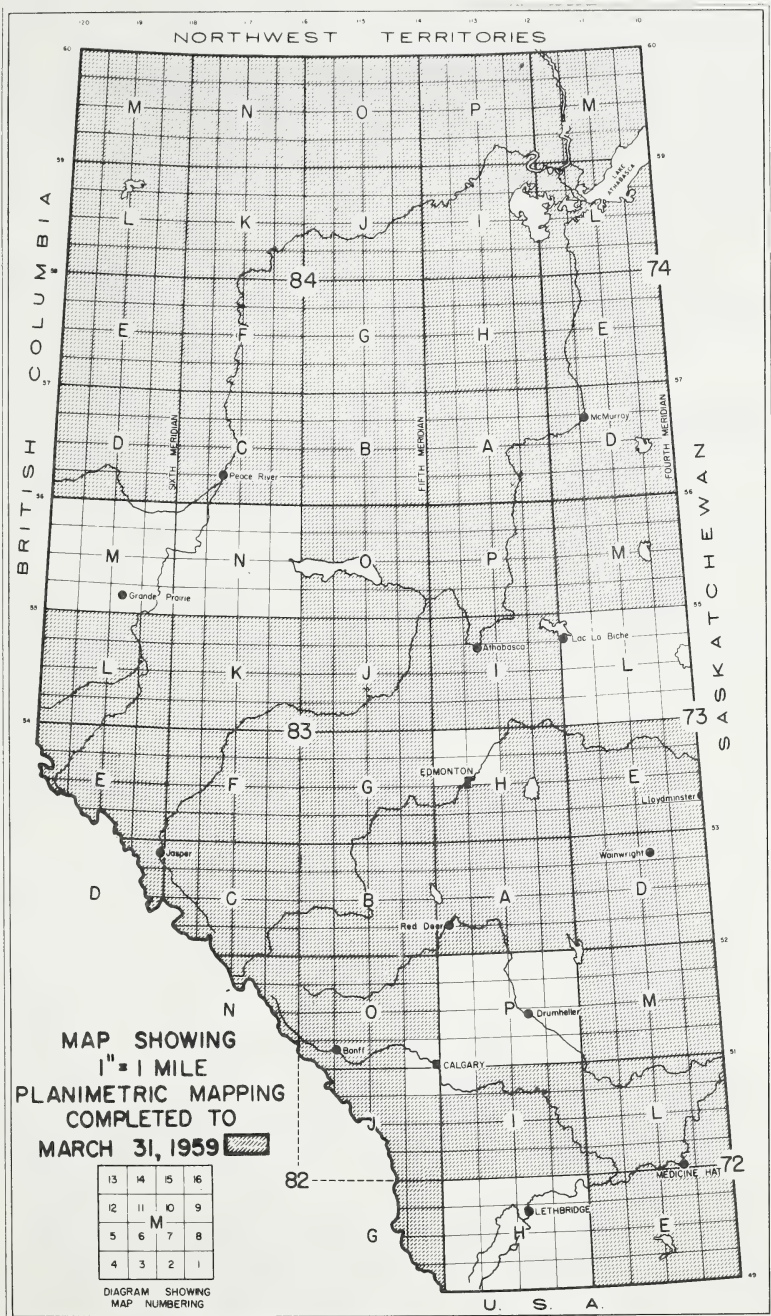
During the fiscal year under review films were processed in the photographic library covering 16 rolls of 9 1/2" x 9 1/2" photography taken by the Forest Surveys Department. These rolls covered a total of 1,231 exposures, in addition 3 K20 films were processed involving some 99 exposures.

Multiplex and Kelsh Diapositives

The majority of the diapositive plates printed in the photographic library were for private Companies and during the year 386 Kelsh Plates and 131 Multiplex plates were printed. This is an overall increase of approximately 220 plates over last year.

Contour Mapping

Ten individual contour plans were compiled during the fiscal year on the Multiplex and Kelsh plotters covering an area of approximately 13,075 acres. This is a figure which closely parallels the work done in previous years and was undertaken for the various Town Planning Commissions and the Department of Highways. At the end of this fiscal year a large volume of work was in hand indicating that the various branches of the Government are realizing that work from our plotting machines is both accurate and time saving. It is anticipated that the demand for contour plans will continue to increase.



Photographic Indexing

The indexing of the Eastern Rockies Conservation area flown under Job 1388 is now 70% complete and all films covering Job 1388 have been delivered to this Division.

MAPPING

Planimetric Mapping

All manuscripts, sketching and fair drawing on films was completed for map sheets 72/M 1 to 7 inclusive, 9 and 11 to 15 inclusive. These map sheets were also photographically reduced to the scale of 1" = 1 mile for sale to the general public.

The point picking, interpretation and the drawing for all manuscripts have been completed for map sheets 82/P 1 to 16 inclusive. The sketching of manuscripts 82/P 15 and 16 was completed and sheet 82/P 16 has been fair-drawn on film.

Map control has been completed for sheets 82/I 13, 82/J 16 and 82/O 1. Approximately 90% of the interpretation has also been completed for these sheets.

The control has been completed for map sheets 82/H 1 to 16 inclusive. The Transverse Mercator Projection values have been tabulated and filed until such time as it is required.

Forestry Drafting

Thirty-four townships have been completed for the Forest Surveys Branch. These townships show all planimetry, survey and forest typing at a scale of 1" = 1320' and are drawn on stable film.

One hundred and seventy-nine townships have been completed for the Eastern Rockies Forest Conservation Area. These townships were drawn on transparent drawing paper and show all planimetric detail as it is shown on the Alberta planimetric map series.

Map Revisions

The map revisions for the year consisted of revising the 1/40,000 and 1" to 1 mile films of areas 72/E 1 to 16 inclusive and 72/L 1 to 16 inclusive. New 1" to 1 mile films were printed to replace the worn out autopsitive linens presently being used to show air photography indexing. Map sheets 73 D/ 1 to 16 inclusive and 82/I 1 to 12 and 14 to 16 inclusive have been revised except for the additional transmission lines which must be shown. Map sheets 83/K 3 to 6 and 9 to 16 inclusive and 83 /L 1 and 6 to 16 inclusive have been revised showing planimetric detail from the new 1" = 1320' photography flown in 1957 and 1958. These maps have been reprinted at a scale of 1" = 1 mile to replace autopsitive linen indexes. Map sheets 83/C 1 to 16 inclusive have also been revised showing trails, roads, etc.

Planimetric Maps

Fifty of the above map sheets were lithographed during the fiscal year mainly in areas surrounding Banff, Jasper, Edmonton, Red Deer and Calgary. These maps were revised with respect to roads, pipe lines, transmission lines, etc.

Due to the consistent demand for this series it was necessary to have 20 maps rerun at the printers. 100 copies of each were printed.

16 Mile Map

Due to the heavy demand for the above map a rerun was printed and 2,200 copies received.

Map Sales

During the fiscal year the sale of maps and plans amounted to \$23,686.29. This amount is somewhat lower than last years but is indicative of the fact that the demand for maps of the Province is continuing steadily.

Miscellaneous Drafting

During the fiscal year a great deal of miscellaneous drafting was undertaken in the Aerial Surveys Section for the Forest Surveys Division, the Forestry Division and the Publicity Office. The demand for the drafting services of this Division showed a large increase over previous years and the amount of work turned out justifies the increase in staff that has been necessary during the past two years.

Photostat and Ozalid Machines

The two photostat machines and the ozalid machine have been working at full capacity throughout the year in order to meet the requirements of this and other Government Departments.

This year can be regarded as a busy one within the Department as the work of this Division is closely interwoven with the Lands Division and the Forestry Division in the disposal of the natural resources. Apart from the problems that arise in connection with certificates of title, plans of survey etc. the large volume of maps, plans, aerial photographs, enlargements and mosaics handled by this Division, it has been a busy and interesting year.

Appreciation is expressed to the Staff for rendering this service within the Department, to other Government Departments and the general public.

Accounting Division

Report of the Administrative Accountant

A. MCCALLUM

A deficit of \$793,077.74 on Income Account was shown for the fiscal year ending March 31, 1959, as compared with a surplus of \$1,155,771.73 for the previous year, a decrease of \$1,948,849.47.

Net revenue on Income Account amounted to \$6,671,177.09, an increase of \$371,103.39. Main increases and decreases were as follows:-

REVENUE

ACCOUNT	INCREASE \$	DECREASE \$
Fishing Licences	9,052.50	
Game Licences	65,465.13	
Fur Tax		12,560.67
Grazing Leases, Permits, Etc.	176,639.66	
Homestead Leases, Crop Share, Etc.	55,461.12	
Cultivation Leases, Permits, Etc.		20,061.19
Right of Entry	43,480.38	
Miscellaneous Leases	46,784.24	
Lands Sundry Revenue	31,508.30	
Timber Fees, Dues, Etc.		181,466.35
School Lands Leases, Permits, Etc.	82,142.10	
East Slope Surface Rights		18,735.66
Restoration of Monuments		11,584.24
Administration Sundry	54,263.63	
Sale of Aerial Photographs		14,582.39
Dominion-Provincial Agreement Re:		
Forest Inventory	20,783.51	
Sale of Automobiles		7,159.38
Dominion Government-Re: Tower Sites		14,054.47
Dominion-Provincial Agreement Re:		
Forest Fire Protection	62,095.77	
Miscellaneous	3,631.40	
Net Revenue Increase		371,103.39
	651,307.74	651,307.74

For details of revenue from Income Account see Statement "B".

Gross receipts from all sources amounted to \$9,101,949.27 compared to \$8,616,893.95 in 1957-58.

Total amount of monies refunded was \$1,222,437.43, being \$730,739.22 current year refunds and \$491,698.21 previous year refunds.

Total number of refunds processed from all sources during the year was 5,610. Refunds to the Taxing Authority total \$216,813.81 as provided by "The Grazing Lease Taxation Act", "The Crown Cultivation Leases Act", and "The Tax Recovery Act".

Total amount of active Accounts Receivable as at March 31, 1959, stood at 25,113.

Fish and Game vendors' accounts - approximately 1,800.

Cash entries for the year were:-

Game Licences -	148,057
Fishing Licences -	129,167

Monies held in trust as at March 31, 1959, stood at \$970,914.63 made up as follows:-

Miscellaneous	\$ 24,845.39
Homesteader's Compensation Trust	46,220.73
Parks Board Trust	20,211.98
East Slope Road Tolls Trust	715.29
Timber Deposits	869,372.81
Timber Forfeited Monies	
Trust Account	9,548.43
	970,914.63

EXPENDITURE

The total disbursements under Income Appropriations for the year total \$7,464,254.83. Capital disbursements for the year amounted to \$444,729.82.

Main items of particular interest under expenditures are as follows:-

INCOME ACCOUNT

Destruction of Pests -	\$18,907.05.
The Eastern Rockies Forest Conservation Board-	\$624,732.32.
Fire Suppression -	\$1,499,336.70.
Forestry Training School -	\$13,352.16.
Provincial Parks-	\$360,865.21. (\$30,745.77 was also disbursed from trust funds.
Aircraft Patrol -	\$192,506.87.

Wages provided by Special Warrant for Coal Miners employed by the Eastern Rockies Forest Conservation Board - \$39,991.09.

Monies provided by Special Warrant for payment to settlers for improvements and resettlement allowances in respect of the Wanham Clearing and Breaking Project - \$14,935.43.

CAPITAL ACCOUNT

The amount disbursed in respect of Aerial Photography for the year under review amounted to \$70,427.01.

In accordance with agreements negotiated with Canada and the Province with respect to winter works' programs the amount of \$268,811.69 was disbursed in connection with Forest Access Roads and Trails and \$105,491.12 in respect of Camp Grounds and Picnic Shelters.

The amount disbursed from the Homestead Lease Loan Account during the year amounted to \$156,574.82. Total disbursements from this fund to date are \$753,774.97. Total repayments of loans under this act amount to \$52,177.01.

Due to the continued expansion being carried out in most all branches of the Department, the personnel earnings' records for both salary and wage employees continues to show an increase and for the year under review stood at:-

Salaries -	739
Wages -	1,497

As the expansion of services continues to grow in all branches of the Department, it is only natural that the staff of the Accounting Division are constantly giving of their time in services, and the cooperation and spirit of team work exhibited by all members of the staff is once again gratefully acknowledged.

INDEX OF STATEMENTS

- A. Statement of Receipts from All Sources
- B. Statement of Receipts - Income Account
- C. Statement of Receipts - Capital Account
- D. Statement of Receipts - School Lands
- E. Statement of Expenditure for the year ending March 31, 1959
- F. Statement of Receipts by Branches
- G. Statement of Disbursements by Branches
- H. Alberta School Land Trust Fund
- I. Alberta School Land Sales - Revenue Account

Statement ASTATEMENT OF RECEIPTS FROM ALL SOURCESFrom April 1, 1958 to March 31, 1958

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
Income Account	6,957,122.71	285,945.62	6,671,177.09
Capital Account	318,749.26	5,365.94	313,383.32
Reimbursement of Previous Year's Expenditure	9,006.44	4.35	9,002.09
School Lands Trust Fund	401,304.51	1,710.47	399,594.04
Timber Deposits Trust	686,844.68	315,733.55	371,111.13
Homesteader's Compensation Trust	15,367.23	2,937.75	12,429.48
Homestead Lease Loan Fund Trust	35,554.63	156.96	35,397.67
East Slope Road Tools Trust	12,134.72	1,162.17	10,972.55
Parks Board Trust	38,886.33	834.00	38,052.33
Miscellaneous Trust	16,946.84	8,591.84	8,355.00
Reforestation & Timber Forfeited Monies Trust	2,241.34	————	2,241.34
Unapplied Receipts Carried Forward:			
Improvements	29,689.36	23,759.40	5,929.96
Suspense	288,101.22	84,537.17	203,564.05
School Lands Grazing Permits	10,000.00	————	10,000.00
Public Lands Grazing Permits	25,000.00	————	25,000.00
Public Lands Grazing Lease Rentals	225,000.00	————	225,000.00
Homestead Lease Crop Share	30,000.00	————	30,000.00
	9,101,949.27	730,739.22	8,371,210.05

Statement B

STATEMENT OF RECEIPTS-INCOME ACCOUNT

From April 1, 1958 to March 31, 1959

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
FISHERIES ACCOUNT			
Fishing Licences	156,897.01	409.81	156,487.20
Fisheries Miscellaneous	1,769.03	50.00	1,719.03
Fisheries Royalty	24,757.58	—	24,757.58
	183,423.62	459.81	182,963.81
GAME ACCOUNT			
Game Licences	533,145.57	9,710.52	523,435.05
Fur Tax	76,676.89	4,264.51	72,412.38
Game Branch Miscellaneous	2,534.56	88.35	2,446.21
	612,357.02	14,063.38	598,293.64
LANDS AND GRAZING			
Grazing Leases, Permits, Etc.	468,529.72	102,713.89	365,815.83
Hay Permits, Fees, Dues, Etc.	6,717.15	737.65	5,979.50
Homestead Leases, Crop Share, Etc.	155,536.06	88,150.74	67,385.32
Land Sales Interest	10,233.48	21.04	10,212.44
Cultivation Leases, Permits, Etc.	128,462.27	1,146.51	127,315.76
Right of Entry	367,372.48	22,700.95	344,671.53
Miscellaneous Leases	193,492.34	16,293.57	177,198.77
Lands Sundry Revenue	114,433.37	8,352.84	106,080.53
Land Patent Miscellaneous	4,974.74	46.75	4,927.99
	1,449,751.61	240,163.94	1,209,587.67
TIMBER			
Timber Fees, Rentals, Dues, Etc.	3,328,069.23	18,993.04	3,309,076.19
SCHOOL LANDS			
School Land Sales Interest	51,836.16	20.73	51,815.43
School Land Leases, Permits, Berths, Etc.	461,761.86	8,414.40	453,347.46
	513,598.02	8,435.13	505,162.89
EAST SLOPE SURFACE RIGHTS			
REVENUE	567,788.18	1,237.75	566,550.43
MISCELLANEOUS			
Maps, Plans, Etc.	23,782.21	95.92	23,686.29
Restoration Survey Monuments	9,904.34	—	9,904.34
Administration Sundry Revenue	99,587.04	2,307.25	97,279.79
Sale of Aerial Photographic Survey Maps	23,008.51	119.10	22,889.41
Dominion-Provincial Agreement-Forest Inventory	28,611.73	—	28,611.73
Sale of Equipment	1,060.15	—	1,060.15
Canada-Provincial Agreement (Air Weapons Range-Primrose Lake)	53,049.98	—	53,049.98
Reimbursement of Salaries & Expenses	1,035.30	70.30	965.00
Dominion-Provincial Agreement-Forest Fire Protection	62,095.77	—	62,095.77
	302,135.03	2,592.57	299,542.46
TOTAL INCOME ACCOUNT			
(Carried forward to Statement A)	6,957,122.71	285,945.62	6,671,177.09

Statement CSTATEMENT OF RECEIPTS-CAPITAL ACCOUNTFrom April 1, 1958 to March 31, 1959

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
Clearing and Breaking Projects- Crop Share and Sales	13,777.27	264.83	13,512.44
Lands Sales Principal	134,838.94	4,066.11	130,772.83
Homestead Sales Principal	16,924.47	1,035.00	15,889.47
Dominion-Provincial Agreement- Picnic Areas and Camp Grounds	29,719.68	————	29,719.68
Dominion-Provincial Agreement- Forest Inventory	29,907.15	————	29,907.15
Dominion-Provincial Agreement- Forest Access Roads and Trails	93,581.75	————	93,581.75
TOTAL CAPITAL ACCOUNT			
(Carried forward to Statement A)	318,749.26	5,365.94	313,383.32

Statement DSTATEMENT OF RECEIPTS-SCHOOL LANDSFrom April 1, 1958 to March 31, 1959

INCOME ACCOUNT	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
School Land Sales Interest	51,836.16	20.73	51,815.43
School Land Hay Permits, Dues, Etc.	846.25	180.25	666.00
School Land Grazing Leases, Permits, Etc.	63,005.44	635.89	62,369.55
School Land Cultivation Rentals, Crop Share, Etc.	295,409.55	6,619.61	288,789.94
School Land Right of Entry	17,841.96	270.05	17,571.91
School Land Miscellaneous Leases	12,208.20	277.26	11,930.94
School Land Timber Fees, Rents, Dues, Etc.	66,402.57	99.27	66,303.30
School Land Patent Miscellaneous	104.87	————	104.87
School Land Sundry Revenue	5,943.02	332.07	5,610.95
	513,598.02	8,435.13	505,162.89

STATEMENT OF RECEIPTS BY BRANCHES

From April 1, 1955, to March 31, 1959

	Fiscal Year Ending			
	March 31/56	March 31/57	March 31/58	March 31/59
	\$	\$	\$	\$
<u>INCOME ACCOUNT</u>				
Fisheries Branch	134,637.77	154,984.86	171,367.06	182,963.81
Game Branch	494,215.37	484,937.16	544,128.60	598,293.64
Lands and Grazing Branch	615,969.01	914,488.53	872,707.33	1,209,587.67
Timber Branch	3,403,358.19	3,293,603.76	3,490,542.54	3,309,076.19
School Lands	366,541.36	474,278.82	424,341.71	505,162.89
East Slope Surface Rights	614,989.56	590,928.85	585,286.09	566,550.43
Miscellaneous	234,411.77	237,980.46	211,700.37	299,542.46
<u>CAPITAL ACCOUNT</u>				
Land Sales Principal	170,966.68	149,341.93	152,811.43	130,772.83
Homestead Sales Principal	—	—	4,222.64	15,889.47
Clearing and Breaking Projects	25,698.74	26,226.94	42,838.91	13,512.44
Reimbursement by Dominion Government-Forest Inventory	23,092.22	20,181.00	—	29,907.15
Reimbursement by Dominion Government-Picnic Areas and Camp Grounds	—	—	—	29,719.68
Reimbursement by Dominion Government-Forest Access Roads and Trails	—	—	—	93,581.75
Transferred to Other Departments	2,694.37	7,631.22	3,240.12	9,002.09
School Land Trust Fund	324,487.76	370,151.89	375,920.03	399,594.04
Timber Deposits Trust	296,930.88	487,119.75	510,220.15	371,111.13
Homesteader's Compensation Trust	7,528.40	10,843.93	20,328.61	12,429.48
Homestead Lease Loan Trust	—	300.00	16,491.10	35,397.67
East Slope Road Tolls Trust	3,502.88	4,083.36	3,613.39	10,972.55
Parks Board Trust	15,673.90	15,552.75	20,806.62	38,052.33
Miscellaneous Trust	10,364.33	3,657.97	14,850.00	8,355.00
Reforestation and Timber Forfeited Trust	—	—	172.83	2,241.34
Unapplied Receipts Carried Forward	286,797.67	304,365.54	225,490.68	499,494.01
	7,031,860.86	7,550,658.72	7,691,080.21	8,371,210.05

LANDS AND FORESTS DEPARTMENT

EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER

FOR THE YEAR ENDED MARCH 31, 1959

INCOME ACCOUNT

Service	1901 Minister's Office	1902 Deputy Minister's Office	1903 Accounts Branch	1904 Advisory Board and Committees	1905 Destruction of Pests	1906 Eastern Rockies Forest Conservation	1909 Forest Protection and Management Division	1910 Forest Inventory	1911 Forest and Prairie Fires Suppression	1912 Fish and Game Branch	1914 Lands Division	1916 Radio Communications	1917 Technical Division	1918 Registration Branch	1919 Postage	1920 Printing, Stationery and Office Supplies	1921 Forestry Training School	1922 Provincial Parks	1923 Aircraft Patrol	S.W. 11 & 33/58-59 Employment of coal miners on forestry summer camp projects	S.W. 69 58-59 Payments to settlers of the Wanham project	Totals
Advertising		\$ 2,018.87				\$ 708.36	\$ 13,012.16			\$ 6,635.44	\$ 5,896.84	\$ 274.72	\$ 25.92					\$ 43.35				\$ 28,615.66
Automobiles						46,564.62	94,884.33	12,588.42		15,338.23	2,210.36	6,404.59	2,114.29				3,291.17	\$ 6,764.66				190,160.67
Board	5.00	88.25				11,748.27	54,303.98	7,724.76	140,445.16	1,155.73							3,019.82	37.50	879.72			219,314.94
Books and binding						20.07	41.84	72.93		194.47		11.25			7.50		99.87	5.95				547.13
Bounties for destruction of pests					18,907.05																	18,907.05
Buildings and sites							1,632.50															1,632.50
Clothing			10.50			3,549.66	8,809.20			4,914.99			42.12					629.77				17,956.24
Construction contracts						15,306.88	272,270.76			241.50	16,733.44						327.65	107,990.30				412,542.88
Equipment	126.19	1,173.38	727.13			28,013.86	216,181.13	6,530.00	365.03	10,097.01	3,561.28	73,729.02	18,150.43	897.06				26,999.24	76,671.97			463,550.38
Feed and seed						649.67	707.86			8,543.89								800.00	130.00			10,831.42
Fees and commissions	6.00	80.00				6.07	509.09	89.82		1,515.54	76.00	110.08					3.34	22.00	35.40			2,453.34
Freight, express and cartage			.75			2,114.32	14,133.00	799.46	163.00	3,604.35	540.50	2,359.79	821.04	10.82			12.67	2,135.49	67.32			26,762.51
Heating, lighting and power						22,363.89	32,711.54	1,272.67	5,285.61	2,665.93	492.61	3,416.55					807.05	4,190.68	4,776.03			77,982.56
Hospital and medical supplies						31.64	105.05		26.85	16.30								22.87				202.71
Laundry and cleaning						73.25	350.50	188.10	1,474.40	60.10			130.65	2.25			60.76	1.50				2,341.51
Legal fees and expenses		2.75																				2.75
Material						2,849.92																2,849.92
Miscellaneous expenses and supplies	9.45	185.29				10,305.11	14,405.00	1,574.57	40,635.61	13,557.50	6,676.34	8,275.70	44,965.76	1,013.75			211.72	20,036.11	313.95		14,935.43	177,101.29
Newspapers and periodicals	14.00	577.65				83.45	153.33			9.72	24.00	75.12					44.56	7.50				1,053.97
Photography and photographic supplies			952.24			268.37	674.66	1,288.63	15.52	254.45			23,512.69				6.63					26,973.19
Postage	20.00					1,119.09	2,546.00			640.00	152.90	130.00					12.00	53.00				24,001.36
Printing, stationery and office supplies	26.09	40.43	16.64			1,506.40	983.96	446.61		170.76	28.38	10.63	3,311.35	941.96	19,328.37	51,381.07	119.72	9.66				58,993.66
Rates, rentals and insurance	81.13	265.63	52.51			14,430.03	195,964.53	1,382.04	901,497.07	5,383.66	142,063.53	4,559.64	1,091.26	206.13			535.38	39,522.68	104,095.86			1,411,131.08
Repairs and replacements	5.10		741.18			26,845.75	52,582.63	1,847.25	903.78	1,921.37		31,709.46	890.14	23.19			192.09	21,475.53	1.00			141,959.43
Salaries	14,050.00	50,595.58	154,268.00			322,631.10	874,429.89	134,784.79		297,412.65	302,764.88	97,593.14	189,067.37	89,321.25				46,940.82				2,573,859.47
Stenographic services										142.89												142.89
Surveys										37.26			2,037.25									2,074.51
Telegrams and telephones	323.39	267.35	163.35			992.25	9,295.25	323.93	1.80	6,516.81	2,185.00	1,818.00	199.32	1.30			91.80	1,370.14	3.30			23,552.99
Travelling expenses	1,564.17	1,958.34	38.47	1,102.57		37,327.88	195,482.90	12,434.08	44,231.05	154,080.22	37,823.41	21,088.56	8,499.75	273.77			1,905.74	11,918.95	19.00			529,748.86
Wages						75,222.41	349,377.40	59,120.64	364,291.82	32,292.52	7,332.33	5,332.25	5,910.34	126.14			2,610.19	69,887.51	5,513.32	39,991.09		1,017,007.96
TOTAL: Income Account	\$ 16,230.52	\$ 57,253.52	\$ 156,970.77	\$ 1,102.57	\$ 18,907.05	\$ 624,732.32	\$ 2,405,548.49	\$ 242,468.70	\$ 1,499,336.70	\$ 568,302.88	\$ 530,483.17	\$ 256,898.50	\$ 300,769.68	\$ 92,889.76	\$ 19,328.37	\$ 51,381.07	\$ 13,352.16	\$ 360,865.21	\$ 192,506.87	\$ 39,991.09	\$ 14,935.43	\$ 7,464,254.83

CAPITAL ACCOUNT

Service	1982 Aerial Photography and Forest Inventory	S.W. 2/58-59 Construction of forest access roads and trails for fire protection	S.W. 3/58-59 Clearing picnic sites, building shelters, in provincial parks	S.W. 62/58-59 Winter work program building roads and trails in the forest areas	S.W. 63/58-59 Winter work program construction of camp grounds and picnic sites	Totals
Board		\$ 5,984.06	\$ 155.24	\$ 8,416.62	\$ 2,807.05	\$ 17,362.97
Construction contracts		15,865.62	7,662.46	30,262.09	1,793.92	55,584.09
Equipment, permanent		145.12		156.46		301.58
Freight, express and cartage				79.00		79.00
Heating, lighting and power		599.91	26.10	4,050.03	312.78	4,988.82
Material		61.74	25.70		69.07	156.51
Miscellaneous expenses and supplies		261.62	1,401.99	298.71	8.26	1,970.58
Photography and photographic supplies	70,427.01					70,427.01
Rates, rentals and insurance		16,554.36	47.30	28,021.39	5,102.12	49,725.17
Repairs and replacements		189.33	317.13	1,554.09	26.19	2,086.74
Travelling expenses		71.69		70.63		142.32
Wages		50,264.39	14,345.47	105,904.83	71,390.34	241,905.03
TOTAL: Capital Account	\$ 70,427.01	\$ 89,997.84	\$ 23,981.39	\$ 178,813.85	\$ 81,509.73	\$ 444,729.82

STATEMENT OF DISBURSEMENT BY BRANCHES

Statement C

From April 1, 1954 to March 31, 1959

	Fiscal Year Ending				
	March 31/55	March 31/56	March 31/57	March 31/58	March 31/59
	\$	\$	\$	\$	\$
INCOME					
1901 Minister's Office	13,349.44	16,195.65	13,589.05	17,187.76	16,230.52
1902 Deputy Minister's Office	27,748.54	34,109.27	36,447.31	44,732.08	57,253.52
1903 Accounts Branch	104,339.35	110,814.13	124,610.22	138,079.79	156,970.77
1904 Advisory Board	900.75	785.02	264.24	527.73	1,102.57
1905 Destruction of Pests	134,614.51	41,264.72	21,130.67	23,569.33	18,907.05
1906 Eastern Rockies Forest Conservation	314,820.04	347,687.51	451,043.36	568,249.05	624,732.32
1907 Fisheries Division	172,212.84	(Amalgamated with 1912)			
1909 Forest Protection and Management Division	1,064,926.68	1,192,469.20	1,454,444.25	2,124,624.10	2,405,548.49
1910 Forest Inventory	117,791.85	146,601.53	137,365.71	172,452.34	242,468.70
1911 Forest and Prairie Fires Suppression	68,835.99	157,749.56	673,292.10	87,856.82	1,499,336.70
1912 Fish and Game Branch	175,914.52	395,676.61	450,068.75	522,483.82	568,302.88
1913 Eastern Rockies Forest Conservation Board	63,734.22	104,886.82	(Amalgamated with 1906)		
1914 Lands Division	306,964.93	431,571.15	498,852.95	515,868.93	530,483.17
1916 Radio Communications	122,692.15	114,367.52	125,267.52	214,903.10	256,898.50
1917 Technical Division	397,213.79	318,670.69	252,321.76	234,143.81	300,769.68
1918 Registration Division	78,785.60	81,176.95	83,633.30	89,551.47	92,889.76
1919 Postage	15,121.72	16,642.18	18,395.52	16,767.16	19,328.37
1920 Printing, Stationery & Office Supplies	38,916.01	38,853.12	48,326.24	51,414.22	51,381.07
1921 Forestry Training School	6,926.96	6,497.70	7,803.34	8,935.49	13,352.16
1922 Provincial Parks	91,117.39	101,467.48	138,863.42	226,379.75	360,865.21
1923 Aircraft Patrol				36,584.76	192,506.87
SW 5/57-54-55 Amount required to pay claims of the Department of Citizenship and Immigration (Canada).	1,907.00				
SW 13/57-58 setting up of summer camps for employment of men formerly employed in the coal mines in the Blairmore Areas on Forestry Projects of the Eastern Rockies Forest Conservation Board.				49,990.46	
SW 11 & 33/58-59 Payment of wages of former coal miners employed by the Eastern Rockies Forest Conservation Board.					39,991.09
SW 69/58-59 Payment to settlers of the Wanham Project					14,935.43
Total Income Account	3,318,834.28	3,657,486.81	4,535,719.71	5,144,301.97	7,464,254.83
1982 Aerial Photography and Forest Inventory	40,936.68			68,932.30	70,427.01
1983 Aircraft Patrol				35,803.46	(Amalgamated with 1923 Income)
SW 74/55-56 Aerial Photography and Forest Inventory		16,229.80			
SW 5/55-56 Purchase of 4,514.92 acres of land from the Hudson's Bay Co.		15,692.00			
SW 71/57-58 Construction of Forest Access Roads and Trails, essential to the attainment of adequate fire protection.				85,799.45	
SW 72/57-58 Cost of Implementing a program whereby sites will be cleared and picnic shelters built in Provincial Parks.				35,457.97	
SW 2/58-59 Construction of Forest Access Roads and Trails.					89,997.84
SW 3/58-59 Development of tourist industry by implementing a program whereby sites will be cleared and picnic shelters built in Provincial Parks.					23,981.39
SW 62/58-59 Winter work programs for the building of Access Roads and Trails in the forested areas of the Province.					178,813.85
SW 63/58-59 Construction of camp grounds and picnic sites in Provincial Parks and the Eastern Rockies Forest Conservation Area.					81,509.73
	40,936.68	31,921.80		225,993.18	444,729.82

Statement HALBERTA SCHOOL LAND TRUST FUNDBalance Sheet - March 31, 1959

As at March 31, 1959, the fund amounted to \$16,727,824.44 made up as follows:-

Cash	\$	522,320.12
Accounts Receivable, collections not remitted		125,122.57
Investments: School Districts and School Division Debentures		14,620,997.74
Unpaid Principal on School Land Sales:		
(a) Not Due	\$	1,223,441.21
(b) Due or in Arrears		<u>233,285.89</u>
Sundry		1,456,727.10
		<u>2,656.91</u>
		<u>16,727,824.44</u>

Statement IALBERTA SCHOOL LAND SALES - REVENUE ACCOUNTFrom April 1, 1958 to March 31, 1959

	DEBITS	CREDITS
	\$	\$
Arrears Interest as at March 31, 1958	38,048.70	_____
Interest Charges	53,059.92	_____
Interest Revenue	_____	51,815.43
Interest Written-Off (Cancelled Sales)	_____	7,880.13
Arrears Interest as at March 31, 1959	_____	31,413.06
	<u>91,108.62</u>	<u>91,108.62</u>

Registration Division

Report of the Registrar

C. B. KENWAY

There has been very little change in the amount of work done during the past year. Incoming mail increased 2%, and outgoing mail 12.7% over the previous year. Recording showed a decrease of about 6%.

Amalgamation of the school and public lands registers has been completed. By this action considerable time is saved and a source of error removed.

Searching of land for the oil companies requires more than half the time of the records section. More and more searches are required within the department before the execution of leases, or for reservations such as power sites and pulpwood areas. This has developed largely, because the status of the land in many instances is changing quickly. Therefore, it is not unusual to have repeated requests between the date of application and the date of issue.

Space requirements of this division's file room continue to increase. In spite of microfilming, current files have grown both in size and number. An increase in cabinet and room space is anticipated as a result.

During the year, 351 rolls of microfilm were exposed. This is about one-half the number exposed during the previous year.

The specially-designed filing tub housing the contents of six heavy file plot books has produced the desired results of faster reference, saving of space and eliminating transcribing, caused by rough handling of ledgers.

A new project was started in September, and although originally planned to facilitate the work of the file room, it has now developed into one of the best control measures in the disposition of land in the oil-producing areas. It is the drawing of wellsites, access roads, flowlines, pipelines, easements etc., on transparent film to a scale of 1" equals 400 feet. Each sheet covers a section of land and shows a composite picture of the locations of various rights of entry and other dispositions. In the process of preparing these section sheets, it soon became evident that its usefulness as a control measure in land dispositions far exceeded its original purpose of facilitating the work in the file room. By the end of the fiscal year nearly one hundred sections had been brought up-to-date, while another four hundred were in various stages of completion.

Several oil companies have asked that these composite section plans be provided to them on some sort of a continuing service which they could purchase on a monthly or yearly basis. It would reduce considerably the number of persons they would have to serve when applying for a right of entry. Similarly, the Right of Entry Arbitration Board and the Board of Public Utility Commissioners have expressed the wish that we bring these up-to-date as soon as possible. However, the backlog is staggering, and though good progress is being made, there are many difficulties to be overcome before a service could be made available to others.

It is indeed a pleasure to acknowledge the work of staff during the year under review. A fine and friendly group turning out quality work has agreeably enhanced the operations of this office. The gratitude, pride and satisfaction of the Registrar are herewith expressed.

SUMMARY OF INCOMING AND OUTGOING MAIL BY NUMBER
OF PIECES FOR THE PAST FIVE YEARS

Year	Incoming	Outgoing	Total
1954-55	112,235	195,961	307,196
1955-56	114,659	208,821	322,480
1956-57	120,947	222,401	343,348
1957-58	138,339	223,685	362,024
1958-59	141,141	252,076	393,217

A TWO YEAR COMPARISON OF SOME OF THE PRINCIPAL
RECORD ENTRIES

Item	1957-58	1958-59	Difference
Assignments registered	476	501	25
Notifications for Patent	755	855	100
Timber berth and special timber permit applications	384	387	3
Accrued area leases entered	98	56	-42
Accrued area leases cancelled	115	82	-33
Homestead leases (civilian) entered	333	233	-100
Homestead leases (civilian) cancelled	473	441	-32
Homestead leases (veteran) entered	33	20	-13
Homestead leases (veteran) cancelled	127	57	-70
Licences of Occupation entered	55	147	92
Licences of Occupation cancelled	19	51	32
Miscellaneous leases entered	85	207	122
Miscellaneous leases cancelled	25	37	12
Cultivation leases entered	48	55	7
Cultivation leases cancelled	160	132	-28
Public land sales entered	182	155	-27
Public land sales cancelled	33	20	-13
Road Allowance leases entered	143	126	-17
Road Allowance leases cancelled	49	76	27
Grazing leases entered	265	209	-56
Grazing leases cancelled	132	193	61
School land sales entered	113	146	36
School land sales cancelled	138	40	-98
School land miscellaneous leases entered	0	1	1
School land miscellaneous leases cancelled	5	7	2
School land cultivation leases entered	78	107	29

Item	1957-58	1958-59	Difference
School land cultivation			
leases cancelled	152	135	- 17
Rights of entry entered	1,296	866	-430
Rights of entry cancelled	220	180	-40
Sand and gravel leases entered	76	147	71
Sand and gravel leases cancelled	44	32	-12
Miscellaneous Permits entered	743	685	-58
Grazing permits entered	1,851	1,804	-47
Cultivation permits entered	50	47	-3
School land grazing permits entered	802	739	-63
School land cultivation permits entered	26	23	-3
TOTAL	9,584	9,002	-582

Provincial Parks Administration

Report of the Provincial Parks Commissioner

E. P. SHAVER

Another active and successful year has been completed with attendance in all parks up over the previous year.

As part of the continuing program of providing new recreational areas for the use and benefit of the public, two new Provincial Parks were established. These parks are:

ENTRANCE PROVINCIAL PARK: Established to provide recreational and camping facilities in the Hinton area.

MOONSHINE LAKE PROVINCIAL PARK: Established to provide recreational and camping facilities in the Spirit River area.

Lundbreck Falls Provincial Park, which has been classed as an inactive park, was cancelled as a park in order that the area could be developed by the Department of Highways as a highway campsite.

In order to provide a more efficient and flexible administration the Provincial Parks Organization was established as a branch and E. P. Shaver was appointed as Provincial Parks Commissioner.

During the period April 1st to September 30th there were 21 full time caretakers employed to maintain a high standard of cleanliness throughout the Provincial Parks. Casual labour was employed when necessary to maintain other parks where the services of a full time caretaker is not required. Three Provincial Parks have full time Park Wardens.

There are now 38 Provincial Parks established of which 32 are being developed and one being maintained as a Provincial Park Historical Site. Five parks are classed as inactive at the present time.

As in the previous year the Federal-Provincial Government Program of winter employment was of considerable assistance in the development of additional camping and picnicking facilities. Funds were allocated for this purpose by the Province with the Federal Government reimbursing the Province for 50% of the total expenditures.

The following is a brief summary of the main developments and activities carried on in the Provincial Parks during the fiscal year.

ASPEN BEACH PROVINCIAL PARK - Work in this park was confined primarily to the improvement of existing facilities and the provision of additional sanitary units. Under the Federal-Provincial Winter Work Program two picnic shelters and six sanitary units were constructed for use in the coming season.

WINAGAMI LAKE PROVINCIAL PARK



CAIRN AT WRITING-ON-STONE PROV. PARK



BEAUVAIS LAKE PROVINCIAL PARK - During the past year the lake level was lowered and treated for the removal of undesirable species of fish. Advantage was taken of the low level to do cleaning up of the lake shore as part of the Winter Work Program. Work was generally limited to maintenance of existing improvements, however, additional camping and picnic facilities were provided.

BIG HILL SPRINGS PROVINCIAL PARK - The main projects in this park were the preparation of living quarters for a caretaker as well as providing facilities for picnicking and camping. Access to the park is somewhat difficult but will be improved in the coming year.

CRIMSON LAKE PROVINCIAL PARK - Development work consisted primarily of providing additional picnic, camping and sanitary facilities as well as improving the parking areas and roads within the park. Under the Winter Work Program a picnic shelter was constructed and underbrushing was carried out in the picnic and camping areas.

CROSS LAKE PROVINCIAL PARK - Development work in this park has been carried out at a rapid pace with two parking areas being completed as well as extensive work on the beach area. Additional picnic and sanitary facilities were provided. A picnic shelter, two sanitary units and underbrushing of a fireguard was completed under the Winter Work Program.

CYPRESS HILLS PROVINCIAL PARK - During the past year six miles of new road was constructed and six miles of road improved as well as 17 miles of fireguard and 81 miles of road were maintained. Improvements were carried out to the beach area, camping area and work was started on a trailer park. Over 64,000 trees were cut and sold from an area of approximately 300 acres and work on the thinning of trees in the park in accordance with the Forest Management Plan is continuing. As a result of the Government's proposal to hard surface Highway No. 48 a marked increase in the demand for cottage lots was noted as well as inquiries concerning the operation of businesses within the park.

DILLBERRY LAKE PROVINCIAL PARK - During the past year the main projects completed in this park consisted of the construction of a mile of road and a boat pier. An additional 1000 evergreen trees were planted and improvements made to the camping and playground areas. Under the Winter Work Program one picnic shelter and two sanitary units were constructed as well as the underbrushing of five acres of land for campground purposes.

GARNER LAKE PROVINCIAL PARK - A combination caretaker's residence and storage building, a picnic shelter and two sanitary units were the major construction projects completed in this park during the past year. Improvements were made to the beach area, camping and picnic areas as well as the construction of approximately one mile of road.

GOOSEBERRY LAKE PROVINCIAL PARK - The main projects in this park consisted of maintenance of the existing facilities as well as the provision of additional picnic facilities. Under the Winter Work Program one picnic shelter and two sanitary units were constructed.

LAC CARDINAL PROVINCIAL PARK - Picnic and camping facilities in this park were improved with the addition of a picnic shelter, two sanitary units and twenty picnic tables. In addition a new access road was constructed, and under the Winter Work Program a picnic shelter and two sanitary units were constructed as well as the underbrushing of additional camping and picnic areas.

LITTLE BOW PROVINCIAL PARK - Work in this park consisted mainly of maintaining and improving the existing facilities as well as the construction of a new exit road. Under the Winter Work Program a new picnic shelter and two sanitary units were constructed.

LITTLE FISH LAKE PROVINCIAL PARK - Initial development of this park consisted primarily of providing picnic and sanitary facilities as well as improving the beach and lake shore area.

LONG LAKE PROVINCIAL PARK - During the past year a subdivision was surveyed in this park and the area was later withdrawn from the park and transferred to the Lands Branch for administration purposes. Development work consisted mainly of providing picnic and sanitary facilities as well as the construction of a boat pier. Under the Winter Work Program approximately 50 acres was underbrushed, three picnic shelters constructed and six sanitary units provided.

MA-ME-O BEACH PROVINCIAL PARK - Improvements in this park were confined to the maintenance of existing facilities. Under the Winter Work Program underbrushing was carried out as well as the construction of a new picnic shelter.

MIQUELON LAKE PROVINCIAL PARK - During the past year an access road was constructed as well as improvements made to the beach area and underbrushing was carried out under the Winter Work Program. Two picnic shelters and two sanitary units were also constructed.

PARK LAKE PROVINCIAL PARK - Development of this park is nearly complete and during the past year maintenance and improving the existing facilities were the main projects.

PEMBINA RIVER PROVINCIAL PARK - The main projects in this park consisted of the provision of additional water and sanitary facilities as well as the underbrushing of additional picnic and campground areas.

RED LODGE PROVINCIAL PARK - Work in this park consisted mainly of improving the existing facilities and maintenance. Under the Winter Work Program a new picnic shelter and two sanitary units were constructed and an additional 20 acres were underbrushed for picnic and camping purposes.

ROCHON SANDS PROVINCIAL PARK - Work in this park was limited to improving the existing facilities and general maintenance. Additional sanitary and picnic facilities were provided.

SASKATOON ISLAND PROVINCIAL PARK - Maintenance and improvements to the existing facilities were the main projects during the past year. Two sanitary units were constructed under the Winter Work Program.



PLAYGROUND - PARK LAKE PROVINCIAL PARK

STEEVILLE DINOSAUR PROVINCIAL PARK - The construction of a warden's residence and garage together with the installation of electrical power were the main projects completed in this park during the past year. Sanitary facilities were constructed and wells were drilled to provide water for drinking purposes. The discovery of two dinosaur remains and the preparation of these remains for display purposes was commenced.

SYLVAN LAKE PROVINCIAL PARK - No development work undertaken during the past year.

TABER PROVINCIAL PARK - Major work in this park consisted of improving the existing facilities and general maintenance.

THUNDER LAKE PROVINCIAL PARK - No development but plans for future underway.

THE VERMILION PROVINCIAL PARK - Improvements to the existing facilities and general maintenance of the park were the main projects during the past season. Under the Winter Work Program two picnic shelters were constructed and an additional area was underbrushed for camping grounds.

WABAMUN LAKE PROVINCIAL PARK - Major construction projects in this park consisted of the construction of a double garage, well-house, maintenance depot, two change houses and eight sanitary units. A service road approximately 3/4 of a mile long was constructed as well as the placing of gravel on the parking area and sand on the beach. A boat pier was also constructed. Under the Winter Work Program underbrushing of approximately 75 acres was carried out.

WILLOW CREEK PROVINCIAL PARK - No development work undertaken.

WINAGAMI LAKE PROVINCIAL PARK - The main work carried out in this park consisted of improvements to the existing facilities and general maintenance. A new access road to the subdivision was constructed and gravelled. Under the Winter Work Program two picnic shelters and two sanitary units were constructed as well as the underbrushing of approximately 100 acres.

WOOLFORD PROVINCIAL PARK - Work in this park consisted mainly of improving the existing facilities and general maintenance.

WRITING-ON-STONE PROVINCIAL PARK - Work in this park consisted mainly of improving the existing facilities and general maintenance.

PARK LEASES

Following considerable discussions concerning the development of subdivisions within Provincial Parks, it was the opinion of the Provincial Parks Board that no further subdivisions should be developed within the boundaries of any Provincial Park. For the time being subdivisions presently surveyed within Provincial parks will be administered by the Parks Branch. At the present time a total of 410 leases have been issued at the time of this report.

Standing of Provincial Park Leases on March 31, 1959

	Leases	Applications	Cancellations	Assignments
Beauvais Lake Park	37		3	6
Crimson Lake Park	84	5	3	6
Cypress Hills Park	144	19	7	18
Dillberry Lake Park	29	2	2	2
Gooseberry Lake Park	8	1	0	0
Kinbrook Island Park	55	1	1	2
The Vermilion Park	9	1	2	0
Winagami Lake Park	44	14	0	0
Total	410	43	18	34

The following is a summary of the revenue and expenditures for the fiscal year:

Amount appropriated for Provincial Park Purposes \$317,500.00

Revenue received from each park:

\$

Administration	
Aspen Beach	
Beauvais Lake	331.36
Cross Lake	36.00
Cypress Hills	26,340.55
Crimson Lake	887.45
Big Hill Springs	5.00
Dillberry Lake	275.00
Garner Lake	26.00
Kinbrook Island	465.00
Gooseberry Lake	262.00
Lac Cardinal	54.00
Little Bow	
Little Fish Lake	
Long Lake	4,470.89
Red Lodge	
Pembina River	26.00
Park Lake	50.00
Miquelon Lake	
Ma-Me-O Beach	
Rochon Sands	30.00
Steveville Dinosaur	436.36
Saskatoon Island	353.98
Sylvan Lake	
Taber	
Thunder Lake	5.00
Vermilion	555.71
Wabamun Lake	2,771.55
Willow Creek	

Writing-on-Stone	193.33
Woolford	
Winagami Lake	462.15
Calling Lake	15.00
TOTAL	38,052.33

Expenditures for each park:

\$

Administration	38,862.42
Aspen Beach	3,714.47
Beauvais Lake	2,522.89
Cross Lake	6,745.85
Cypress Hills	49,117.20
Crimson Lake	11,208.19
Big Hills Spring	2,778.01
Dillberry Lake	5,401.54
Garner Lake	12,560.14
Kinbrook Island	5,486.24
Gooseberry Lake	748.11
Lac Cardinal	5,151.39
Little Bow	5,123.02
Little Fish Lake	153.83
Long Lake	13,823.63
Red Lodge	3,766.47
Pembina River	4,639.21
Park Lake	3,861.63
Miquelon Lake	1,898.30
Ma-Me-O Beach	356.68
Rochon Sands	1,724.46
Steveville Dinosaur	30,077.92
Saskatoon Island	2,153.98
Sylvan Lake	949.00
Taber	3,808.14
Thunder Lake	14.69
Vermilion	8,804.50
Wabamun Lake	67,673.35
Willow Creek	
Writing-on-Stone	2,283.40
Woolford	1,266.29
Winagami Lake	17,249.44
Calling Lake	
TOTAL	313,924.39

General Expenses:

Salaries	46,940.82
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Expenditures from Parks Board Trust:

Administration	1,776.31
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Aspen Beach	770.95
Beauvais Lake	
Cross Lake	112.00
Cypress Hills	9,956.96
Crimson Lake	999.73
Big Hill Springs	
Dillberry Lake	
Garner Lake	
Kinbrook Island	
Gooseberry Lake	
Lac Cardinal	
Little Bow	241.80
Little Fish Lake	42.00
Long Lake	670.73
Red Lodge	29.84
Pembina River	3.00
Park Lake	1,374.85
Miquelon Lake	30.00
Ma-Me-O Beach	
Rochon Sands	
Steveville Dinosaur	1,615.46
Saskatoon Island	289.00
Sylvan Lake	
Taber	40.00
Thunder Lake	
Vermilion	935.15
Wabamun Lake	11,857.99
Willow Creek	
Writing-on-Stone	
Woolford	
Winagami Lake	
Calling Lake	
TOTAL	30,745.77

PERSONNEL

Of Department of Lands and Forests
by Branches

1. MINISTER'S OFFICE

- 1 Minister
- 1 Secretary
- 2

2. DEPUTY MINISTER'S OFFICE

- 1 Deputy Minister
- 1 Departmental Solicitor
- 1 Publicity Officer
- 2 Secretaries
- 1 Stationery & Supplies Clerk
- 1 Personnel Officer
- 1 Personnel Clerk
- 4 Clerk-Typists
- 12

3. PUBLIC LANDS

- 1 Director of Lands
- 1 Asst. Director of Lands
- 1 Supervisor Grazing Appraisal
- 1 Grazing Appraiser
- 1 Supervisor Land Classification
- 1 Field Supervisor
- 4 District Supervisors
- 8 Soil Investigators
- 5 Supervisors (Office)
- 1 Asst. Supervisor (Office)
- 19 Correspondence Clerks
- 1 Counter Clerk
- 3 Clerks
- 25 Stenographers
- 7 Clerk-Typists
- 1 Sub-Agent, Peace River
- 1 Sub-Agent, Grande Prairie
- 1 Sub-Agent, Edson
- 1 Sub-Agent, Lac La Biche
- 1 Asst. Sub-Agent, Peace River
- 84

4. FORESTS AND WILDLIFE DIVISION

a. Administration Branch

- 1 Director of Forestry
- 1 Forester i/c Forestry Training School
- 1 Asst. to Forester i/c Training School
- 1 Chief Clerk
- 3 Clerks
- 1 Secretarial Clerk
- 4 Stenographers
- 12

b. Forest Management Branch

- 1 Sr. Superintendent Forest Management and Asst. Director of Forestry
- 1 Asst. Superintendent Forest Management
- 1 Forester
- 1 Timber Administrative Officer
- 1 Audit Scaler
- 4 Timber Auditors
- 1 Clerk-Accountant
- 5 Correspondence Clerks
- 3 Clerks
- 2 Clerk-Stenographers
- 6 Stenographers
- 26

c. Forest Protection Branch

- 1 Sr. Superintendent of Protection
- 1 Asst. Superintendent of Protection
- 6 Foresters
- 1 Equipment Artisan & Supervisor
- 1 Aircraft Dispatcher
- 1 Chief Carpenter & Bldg. Supervisor
- 6 Forest Superintendents
- 10 Asst. Forest Superintendents
- 1 Timber Inspector
- 1 Chief Check Scaler
- 2 Asst. Check Scalers
- 11 Forest Officers III
- 71 Forest Officers II
- 25 Forest Officers I
- 1 Warehouse Man
- 4 Mechanical Foremen
- 6 Radio Operators
- 14 Lookout Men-classified and year round
- 53 Lookout Men - seasonal
- 7 Stenographers
- 7 Forest Clerks
- 6 Asst. Forest Clerks
- 236

d. Forest Surveys Branch

- 1 Sr. Superintendent
- 1 Forester i/c Inventory
- 1 Forester i/c Planning
- 6 Foresters
- 1 Photogrammetry & Compilation Supervisor
- 12 Photogrammetrists
- 5 Draughtsmen and Compilers
- 5 Draughtsmen
- 1 Photo Librarian
- 1 Stenographer
- 1 Clerk-Typist
- 35

e. Radio Communications Branch

- 1 Radio Superintendent
- 1 Asst. Superintendent (Administration)
- 1 Asst. Superintendent (Operations)
- 1 Chief Radio Operator, Calgary
- 12 Radio Technicians
- 4 Radio Operators
- 2 Stenographers
- 1 Clerk-Typist
- 23

f. Fish and Game Branch

- 1 Fish & Game Commissioner
- 1 Superintendent of Game
- 1 Superintendent Commercial Fisheries
- 6 Biologists
- 1 Hatchery Supt. (Fisheries)
- 1 Hatchery Supt. (Game)
- 1 Asst. Hatchery Supt. (Fisheries)
- 1 Asst. Hatchery Supt. (Game)
- 6 Hatchery Assistants
- 46 Fish and Game Officers
- 2 Clerks
- 11 Stenographers
- 78

5. EASTERN ROCKIES FOREST
CONSERVATION BOARD

a. Administrative Office, Calgary

- 1 Administrative Officer
- 2 Foresters
- 1 Forest Engineer
- 1 Maintenance Foreman (Construction)
- 1 Maintenance Foreman (Mechanical)
- 1 Road Foreman
- 2 Gradersmen
- 1 Garage Mechanic
- 1 Warehouse Man
- 1 Truck Driver
- 1 Office Supervisor
- 1 Secretarial - Clerk
- 1 Accounting Clerk
- 1 Clerk-Typist

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b. Crowsnest Forest

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forest Officer 111
- 6 Forest Officers 11
- 4 Forest Officers 1
- 1 Mechanic Operator
- 5 Lookout Men - classified and seasonal
- 1 Forest Clerk
- 1 Stenographer

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c. Bow River Forest

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forest Officer 111
- 7 Forest Officers 11
- 9 Forest Officers 1
- 1 Mechanic Operator
- 7 Lookout Men-classified and seasonal
- 1 Forest Clerk
- 1 Stenographer
- 1 Clerk-Typist

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d. Clearwater Forest

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forester
- 1 Forest Officer 111
- 4 Forest Officers 11
- 6 Forest Officers 1
- 1 Mechanic Operator
- 4 Lookout Men-classified and seasonal
- 1 Forest Clerk
- 1 Stenographer
- 1 Clerk-Typist

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6. TECHNICAL DIVISION

- 1 Director
- 1 Assistant Director
- 2 Surveyors
- 1 Engineer
- 1 Draughting & Compilation Supervisor
- 1 Supervisor Technical Assistant
- 1 Senior Photogrammetrist
- 4 Photogrammetrists
- 3 Technical Assistants
- 1 Survey Assistant
- 2 Asst. Surveyors
- 1 Inspector & Investigator
- 1 Instrument Man (Restoration Surveys)
- 13 Draughtsmen
- 1 Supervisor and Photo Processor
- 2 Asst. Photo Processors
- 1 Photostat Operator
- 1 Ozalid Machine Operator
- 1 Map Mounter & Junior Photostat Operator
- 4 Stenographers
- 3 Clerk-Typists
- 1 Librarian

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7. ACCOUNTS BRANCH

- 1 Administrative Accountant
- 1 Asst. Administrative Account
- 6 Supervisors
- 3 Asst. Supervisors
- 21 Clerks
- 2 Cashiers
- 6 Bookkeeping Machine Operators
- 2 Stenographers
- 8 Clerk-Typists
- 1 Comptometer Operator

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8. REGISTRATION

- 1 Registrar
- 2 Supervisors
- 2 Asst. Supervisors
- 2 Recordak Operators
- 1 Land Status Clerk
- 1 Surface Rights Technical Clerk
- 23 Clerks
- 1 Stenographer

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9. PROVINCIAL PARKS

- 1 Parks Commissioner
- 1 Supervisor Field Staff & Parks Planning
- 1 Secretary & Administrative Officer
- 1 Park Warden-Cypress Hills
- 2 Asst. Wardens-Cypress Hills
- 1 Park Warden-Wabamun
- 1 Park Warden-Steveville Dinosaur Park
- 2 Park Supervisors
- 1 Stenographer

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739 Total for Department

OFFICE OF STATIONERY AND SUPPLIES

Continued increase in the responsibilities of the Department has required a proportionate increase in the services supplied by this office. As a result it was necessary to augment the staff by employing one machine operator and one additional clerk typist.

A Multilith off-set printing machine and an addressograph machine were added to office equipment. In addition to the usual service of supplying all provincial officers of the Department with stationery and other supplies as well as filling orders for printed material, this office handled all mailing of the Department's new publication, Land-Forest-Wildlife.

About 900 stationery forms are available for supply to provincial departmental offices. These include licences, receipts, applications, lease forms, etc. plus copies of acts and regulations.

Among the offices included on the regular mailing list are:-

Fish & Game Offices at

High River	Cardston	Red Deer
Claresholm	Brooks	Rocky Mtn. House
Medicine Hat	Athabasca	Barrhead
Calgary	Lethbridge	Peace River
Bonnyville	Pincher Creek	Cold Lake
Didsbury	Vermilion	Canyon Creek
Camrose	Stettler	Lac La Biche
Edson	Vegreville	Grande Prairie
Ponoka	St. Paul	Blairmore
Drumheller	Wetaskiwin	Valleyview
Crammond		

Forestry offices at

Calgary	Whitecourt	Lac La Biche
Blairmore	Peace River	Bowden
Rocky Mtn. House	Edson	McMurray
Grande Prairie	Slave Lake	

Lands Sub-Agent offices at

Calgary	Bonnyville
Grande Prairie	Rocky Mtn. House
Peace River	Edson
Lac La Biche	Lethbridge

Provincial Park Offices at

Elkwater	Wabamun
Patricia	Lethbridge

The retirement of Mrs. L.M. Brown in July was an occasion of note. Gratitude for her 28 years of exemplary service to the Department is mixed with regret over her departure.

Appreciation is expressed for the loyalty and efficiency of staff throughout the year and often under conditions of duress that obtained at peak load periods.

During the year under review the following amount of mail and express was handled by the office. A comparison with the year previous is made.

Mail and Express	1957-58	1958-59	% Increase
Express parcels	391	378	* 3%
Registered Mail	3597	4139	13%
Parcels Mailed	2515	2196	* 13%
Pamphlets	632	3809	500%
Parcels by Messenger	54	150	177%
Parcels by Bus	12	28	133%
Magazines		15500	
Letters	200	364	82%

* - Decrease

Printing volume for the past two years is compared below:

Printing	1957-58	1958-59	% Increase
No. of stenciles and/or masters cut	1,535	1,658	8%
No. of sheets	682,351	753,880	14%

